SL-C6E

SERVICE MANUAL

E Model

Betamax
SONY
PAL

January, 1982

710 SYSTEM

Also refer to ADJUSTMENT MANUAL and OPERATION MANUAL

SPECIFICATIONS

System

Video recording system	Rotary two-head helical scanning
Video signal	CCIR standards, PAL colour
Aerial input	75-ohm, asymmetrical aerial socket
Channel coverage	VHF : Western European channels E2 - 12 UHF : Western European channels E21 - 68 (Up to 8 channels can be preset.)
RF output signal	UHF channels E30 to E39 (variable) 75 ohms, unbalanced

Video

Input	VIDEO IN : BNC connector 1.0 V (p-p) $^{+1.0}_{-0.5}$ V (p-p) 75 ohms, unbalanced, sync negative
Output	VIDEO OUT : BNC connector 1.0 V (p-p) ±0.1 V (p-p) (Playback mode) 75 ohms, unbalanced, sync negative
Horizontal resolution	Colour : 260 lines B/W : 260 lines
Signal-to-noise ratio	Colour : Better than 40 dB B/W : Better than 43 dB

Audio

Input	AUDIO IN : phono jack 47 kilohms, −10 dBs (0 dBs = 0.775 V rms) MIC : mini jack −60 dBs, suitable for microphone with 600-ohm impedance
Output	AUDIO OUT : phono jack Load impedance less than 10 kilohms −5 dBs with 47 kilohms load unbalanced
Frequency response	50 Hz - 10 kHz
Signal-to-noise ratio	40 dB
Audio distortion	Less than 4% at 400 Hz

Tape transport

Tape speed	18.73 mm/sec.
Maximum recording time	2 hours 10 min. (with Sony L-500 cassette) 3 hours 15 min. (with L-750)
Fast forward/rewind time	Within $3\frac{1}{2}$ min. (with L-500)

Timer

Clock	Synchronized with the power frequency
Control time	24-hour cycle
Timer setting	Only for recording 1 event/week, adjustable for any day or for all 7 days of the week

General

Power requirements	220 or 240 V ±10% ac, adjustable 50 Hz
Power consumption	55 W
Storage temperature	−20°C to +65°C (−4°F to +149°F)
Operating temperature	5°C to 40°C (41°F to 104°F)
Dimensions	Approx. 460 × 168 × 383 mm (w/h/d) ($18\frac{1}{8}$ × $6\frac{5}{8}$ × $15\frac{1}{8}$ inches) including projecting parts and controls
Weight	Approx. 14.5 kg (32 lb)
Accessories supplied	75-ohm coaxial cable (for connecting recorder to TV) .... 1 Channel presetting label 1
Accessories optional	Remote control unit RM-72 1

Design and specifications are subject to change without notice.

Beta

VIDEOCASSETTE RECORDER

SONY®

MICROFILM

Consumer
VIDEO

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RM-8 Remote Control Unit 115

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SECTION 1
GENERAL

1-1. WARNING

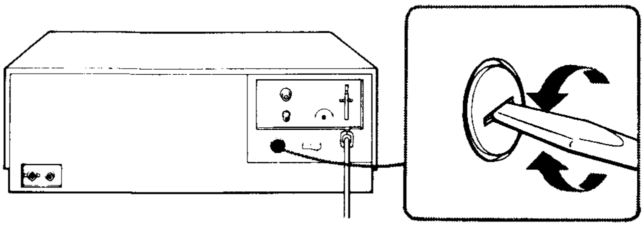
To prevent fire or shock hazard, do not expose the set to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

OPERATING VOLTAGE

OPERATING VOLTAGE

Before connecting the set to a power source, check that the voltage selector located at the rear is set to your local mains power voltage. The operating voltage is set to 220 V at the factory but can be reset to 240 V ac.
If the selector must be reset, **disconnect the mains lead** and turn the selector with a screwdriver or similar object so that the triangle points to the appropriate voltage.



1-2. PRECAUTIONS

On safety

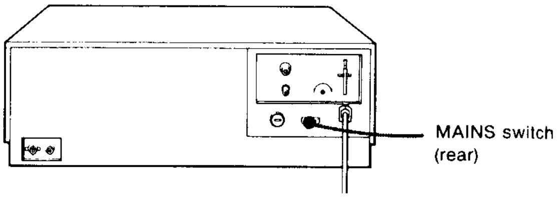
- Before connecting the set to the power source, check that the voltage selector located at the rear is correctly set to your local power line (mains) voltage.
- Do not attempt to make any of the adjustments at the small holes in the rear of the set. These are special adjustments to be performed only by qualified personnel.
- Should any solid object or liquid fall into the cabinet, unplug the machine and have it checked by qualified personnel before operating it any further.
- To disconnect the mains lead (ac power cord), pull it out by the plug. Never pull the lead itself.

On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- The unit is designed for operation in a horizontal position. Do not install it in an inclined position.
- Keep the unit and cassette tapes away from equipment with strong magnets, such as an electronic oven, large loudspeakers, etc.
- Do not place any heavy object on the unit.

On operation

- This machine should not be operated for two hours after being transported from a cold to a hot environment to avoid condensation from forming on the head drum. Condensation can cause the tape to stick to the head drum, resulting in damage to the tape.
- When the unit is not to be used for a long period of time, turn the power off to conserve energy and to extend the useful life of your unit. If you turn off the MAINS switch located at the rear, the entire circuit power, including the clock section, will be shut off.



- After playing a tape, remove the cassette from the unit. Do not transport the unit with a cassette in place.

On cleaning

Clean the cabinet, panel and controls with a dry soft cloth, or soft cloth lightly moistened with mild detergent solution. Do not use any type of solvent such as alcohol or benzine which may damage the finish.

On repacking

Do not throw away the carton and packing materials. It is an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton box.

On colour broadcasting systems

This machine is designed to record and play back using the PAL colour standard. Recording and playback of video sources based on other colour systems cannot be guaranteed.

If you have any questions about this unit, contact your Sony dealer.

1-3. SYSTEM CONNECTIONS

❶ Unplug your TV receiver from the mains outlet, and remove the aerial cable from its socket in the back of the TV. Then connect the aerial cable to the AERIAL IN socket at the rear of the recorder.

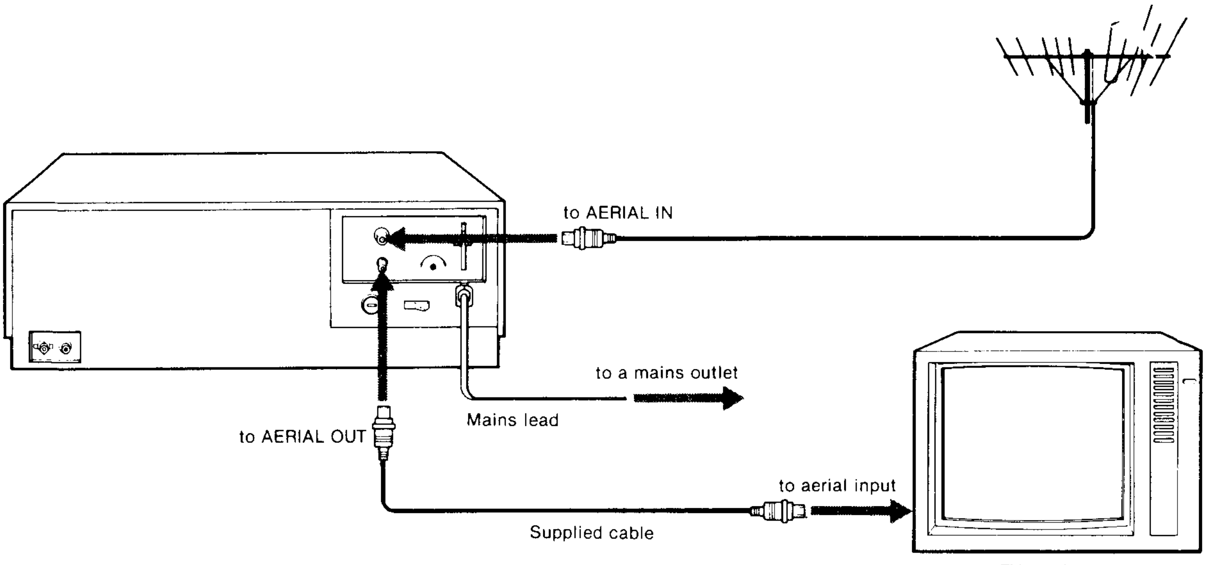
❷ Connect the aerial input of the TV receiver to the AERIAL OUT socket of the recorder, using the supplied cable.

You will find that each socket accepts only one end of the cable.

❸ Connect the recorder and the TV receiver to the mains supply with their own mains leads.

❹ Set the MAINS switch to ON.

Now the recorder is in the standby mode.

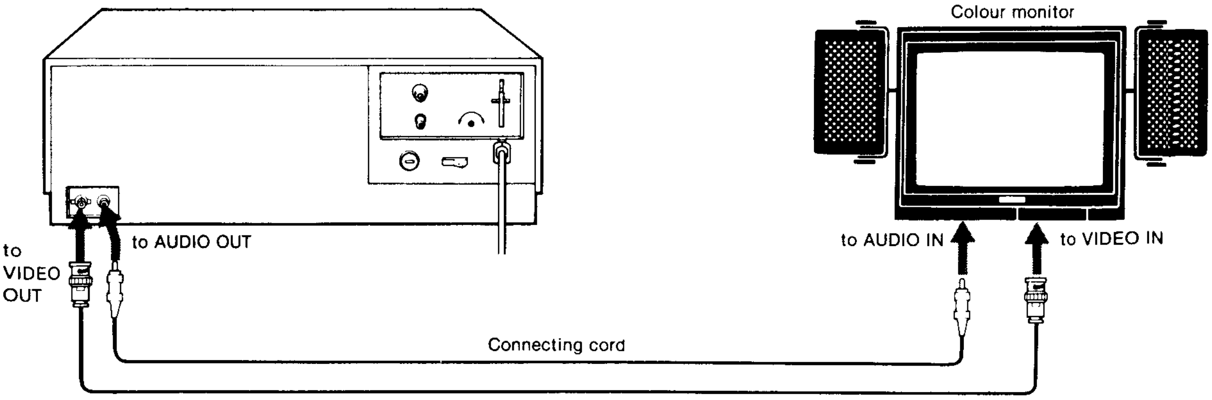

to AERIAL IN
to a mains outlet
Mains lead
to AERIAL OUT
to aerial input
Supplied cable
TV receiver

Now the recorder is set up to intercept the signals from the aerial on their way to the TV receiver. The recorder passes all the signals it receives from the aerial to the TV, even when it is recording. This is why you can record a programme when it is being shown on the TV, or when the TV is showing another programme, or even when the TV is turned off.

Notice for customers in strong signal area
This recorder has a booster to assure stable TV reception on the recorder and on the TV. However, in areas near the TV station, where the TV signal is very strong, the picture may be affected by the booster. If this happens, connect a commercially available attenuator to the aerial lead-in wire. For details, consult your nearest Sony dealer.

CONNECTING A COLOUR MONITOR

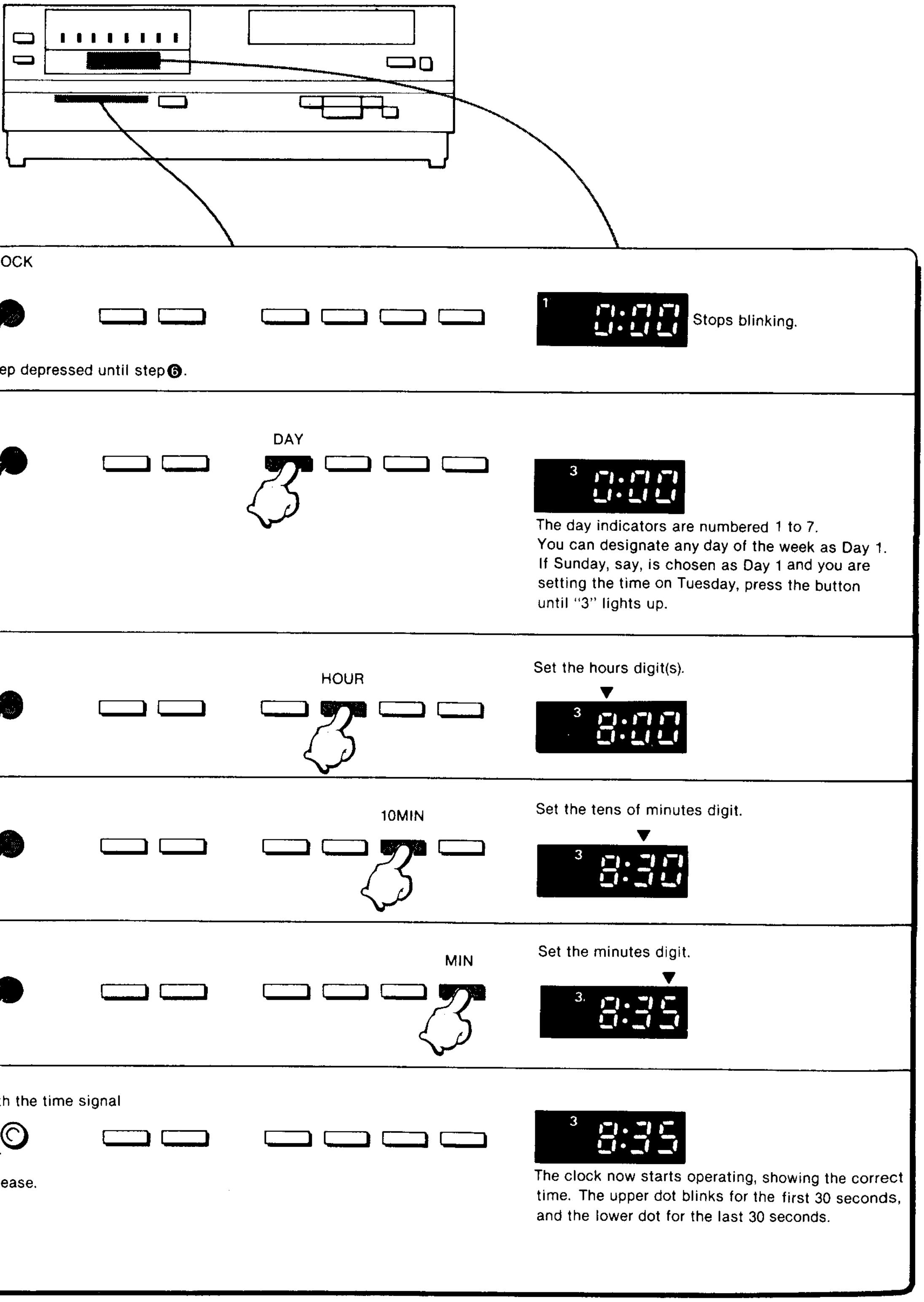
To obtain a higher-quality picture, connect a colour monitor instead of a conventional TV receiver.


Colour monitor
to VIDEO OUT
to AUDIO OUT
to AUDIO IN
to VIDEO IN
Connecting cord

For details on the connection of the monitor, refer to the monitor instruction manual.

1-4. SETTING THE CLOCK

When you set the MAINS switch to ON after connecting the mains lead (ac power cord) to a wall outlet, the clock indicates "0 : 00" and blinks to show that it must be set.
The clock is set as follows :



❶ Keep depressed until step ❻.
Stops blinking.

❷ The day indicators are numbered 1 to 7.
You can designate any day of the week as Day 1. If Sunday, say, is chosen as Day 1 and you are setting the time on Tuesday, press the button until "3" lights up.

❸ Set the hours digit(s).

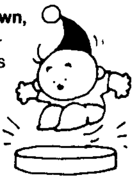
❹ Set the tens of minutes digit.

❺ Set the minutes digit.

❻ With the time signal
Release.
The clock now starts operating, showing the correct time. The upper dot blinks for the first 30 seconds, and the lower dot for the last 30 seconds.

Setting the day(s), hours and minutes digits
The DAY, HOUR, 10MIN and MIN buttons can be pressed in two ways :

When you hold a button down, the digits will advance continuously until the button is released.



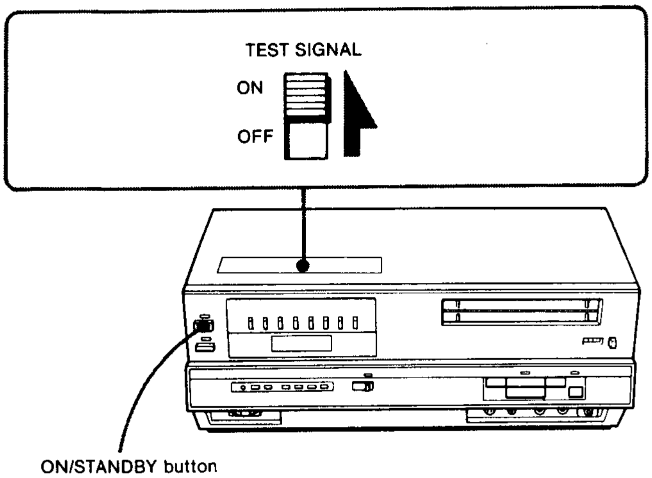
When you press and immediately release a button, the digits will advance by one.

1-5. TUNING THE TV AND THE RECORDER

1-5-1. TV ADJUSTMENT

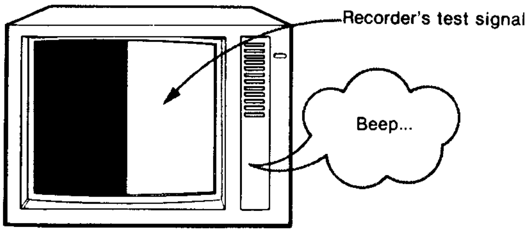
First, adjust your TV receiver so that it is tuned to the signals from the recorder.

❶ Press the ON/STANDBY button of the recorder to turn the recorder on.



❷ Open the tuning compartment lid and set the TEST SIGNAL switch to ON.
❸ Turn on the TV and select a channel on the TV which is not used to receive a TV station. Tune the channel until you see a clear black and white pattern on the TV screen and you hear a high-pitched tone. This is the recorder's test signal.

— If all the channels on your TV are used for receiving stations, select the channel you watch least.
— If you are not sure how to tune your TV, please refer to the TV's instruction manual or consult your dealer.



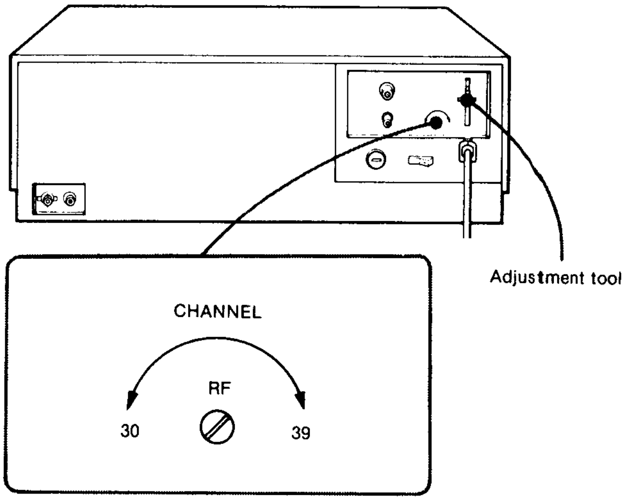
❹ If the test picture is free of disturbance, set the TEST SIGNAL switch to OFF.

If the test picture is not free of disturbance
There might be interference. To receive the recorder's signal on your TV without interference, proceed as follows:
❶ Reset the TEST SIGNAL switch in the tuning compartment to OFF.

You will probably see interference or perhaps even a TV programme on the TV screen.

❷ Adjust the channel of the TV to a channel between UHF E30 and E39 with the tuning control or the fine tuning control on the TV, so that the TV screen shows only "snow" and so that all you can hear is a steady rustling sound.
❸ Set the TEST SIGNAL switch to ON again.
❹ Slowly turn the RF CHANNEL screw on the back of the recorder until you see an undistorted test picture on the TV screen.

You can use the adjustment tool located to the right of the RF CHANNEL screw hole to turn the screw.



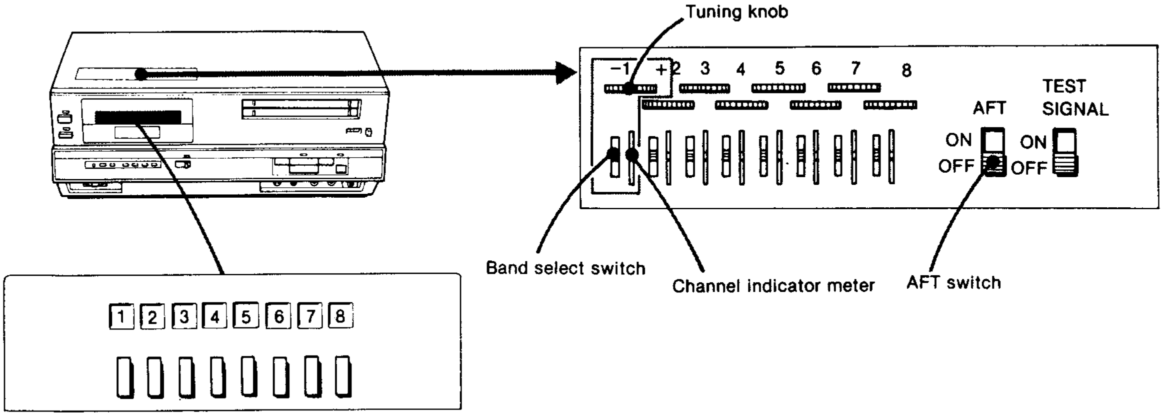
❺ Reset the TEST SIGNAL switch to OFF.

Now your TV receiver is tuned to the recorder. Whenever you use the video recorder, you should set the TV to the channel which you have chosen above.

1-5-2. RECORDER CHANNEL PRESETTING

Once you have tuned your TV to the recorder, the next step is to tune the recorder to all the TV stations that you can receive in your area.
Up to 8 TV stations can be preset in any order.

Location of the tuning controls


Tuning knob
-1 +2 3 4 5 6 7 8
AFT
TEST SIGNAL
ON
OFF
ON
OFF
Band select switch
Channel indicator meter
AFT switch
1 2 3 4 5 6 7 8

Channel indicator window and channel select buttons

Presetting procedure

❶ Make sure that the TV and the recorder are turned on.

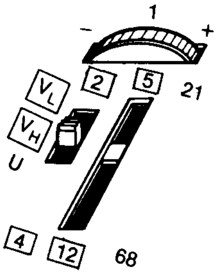
❷ Check that no line is connected to the connectors on the front panel.

❸ Open the tuning compartment lid and set the AFT switch to OFF.

❹ Press the channel select button to be preset. The corresponding channel indicator lamp will light.

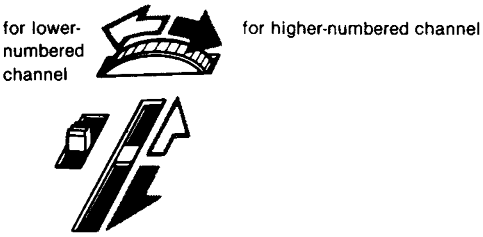
❺ Set the band select switch for that button to one of the three positions:

to tune in channel E21 through E68 ... set to U
to tune in channel E5 through E12 ...... set to V_H
to tune in channel E2 through E4 ...... set to V_L

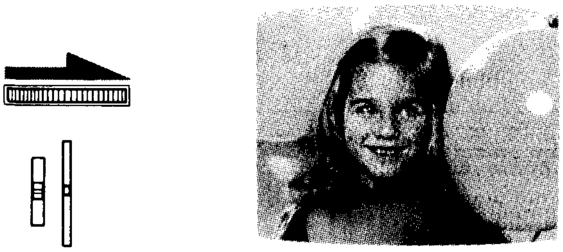

1
-
+
V_L
V_H
U
2
5
21
4
12
68

❻ Turn the tuning knob until the desired station is properly tuned in.

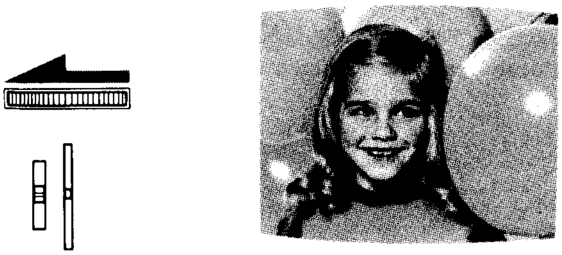
The channel indicating meter provides a visual indication of the approximate location of the tuning knob within the operating range of the band select switch.


for lower-numbered channel
for higher-numbered channel

When the picture appears, slowly turn the tuning knob to the right until a herringbone pattern appears in the coloured part of the picture, then turn the knob back until the picture is perfectly clear.



Turn the knob to the right until the herringbone pattern appears.



Turn it in the opposite direction until the herringbone pattern just disappears.

❼ Repeat steps ❹, ❺ and ❻ for all the other channels.

To identify the channels, consult a newspaper or TV programme guide.

❽ Set the AFT switch to ON when all the stations have been set up, then close the lid of the tuning compartment.

You can now fully utilize the recorder without ever having to touch this compartment again.

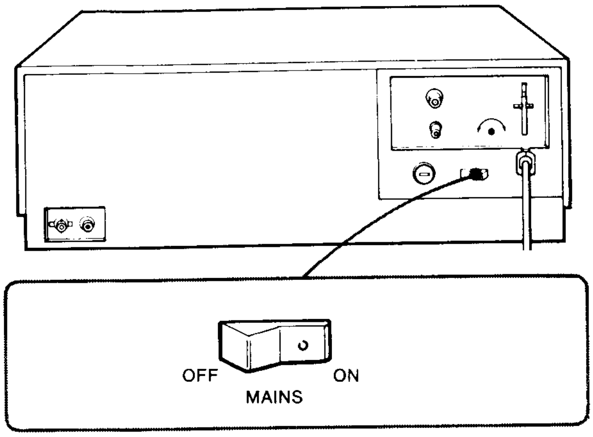
Your video system is now ready to record TV programmes and to play back recorded materials.

1-6. TURNING THE RECORDER WATCHING TELEVISION ON AND OFF

Normally, keep the MAINS switch ON and turn the recorder on and off with the ON/STANDBY button.

The MAINS switch is the mains power on/off switch. When this switch set to OFF, the power supply to all sections in the machine, including the clock section, will be shut off and the timer memory will be erased. The TV will not operate in this situation, because the TV signal will not be fed to the TV.

If you keep this switch set to ON, the clock section will be always powered and the other sections can be turned on and off with the ON/STANDBY button.

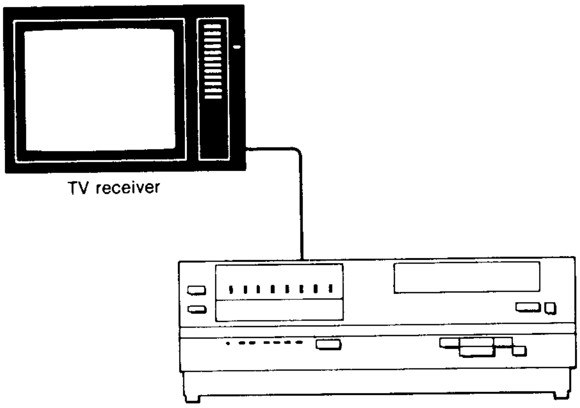


Before operation, make sure that the TIMER REC button is not depressed.

TV...You can view the TV normally even when the recorder is connected.

❶ Make sure that the MAINS switch is set to ON.
The ON/STANDBY button is in the standby mode.

❷ Turn on the TV and select the desired channel with the TV's own channel selector.

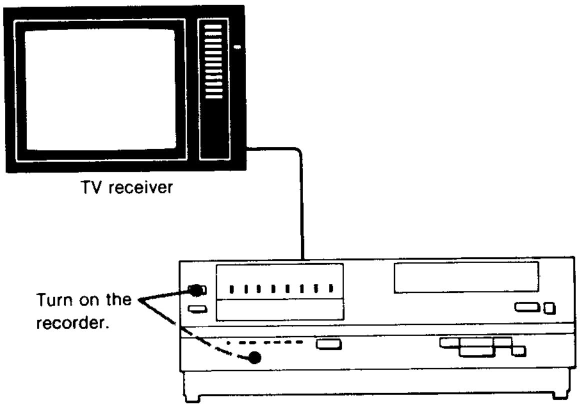


TV + VTR...You can also watch television with the recorder's channel select buttons.

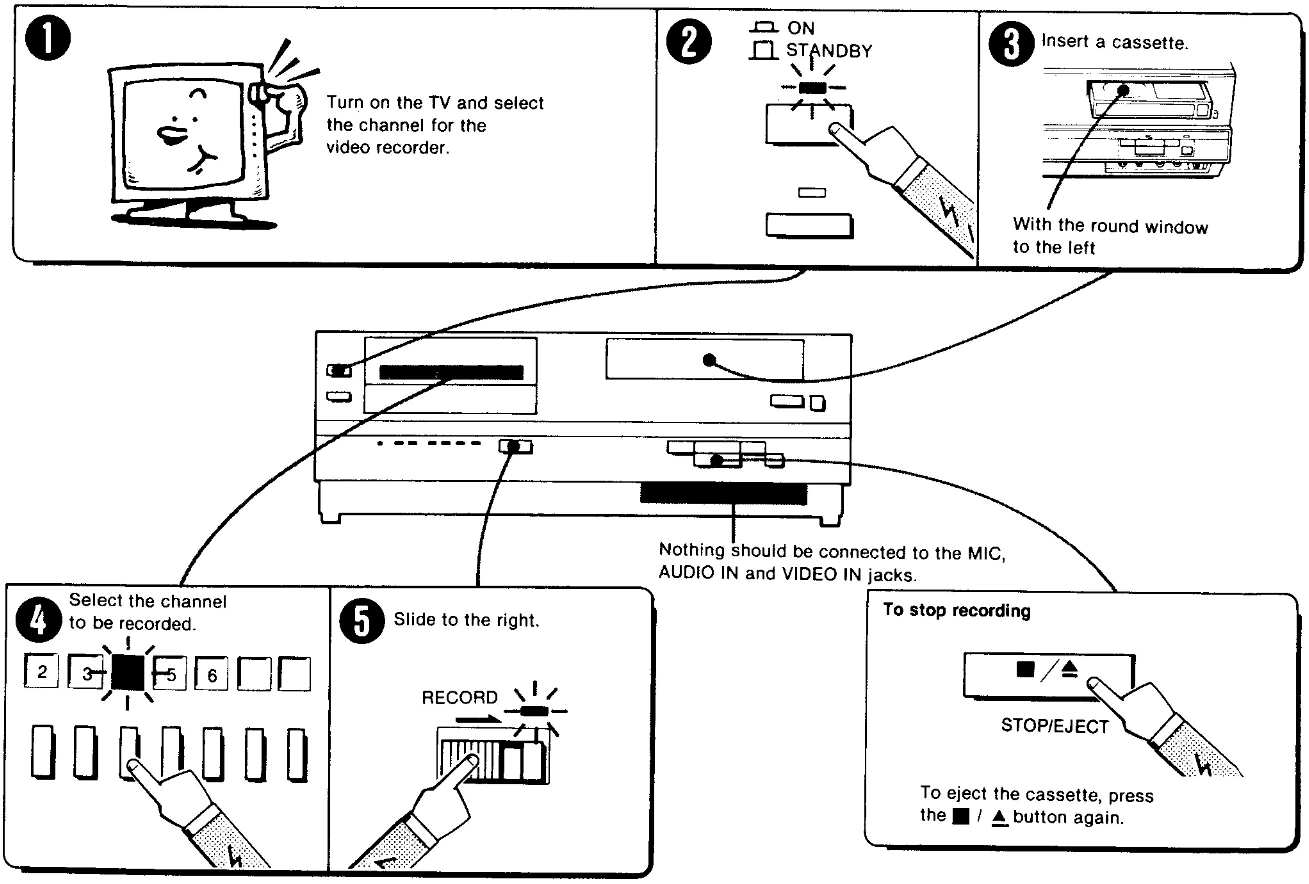
❶ Turn on the TV and select the channel for the video recorder.

❷ Press the ON/STANDBY button to turn on the recorder.

❸ Select the desired channel with the recorder's channel select buttons.



1-7. HOW TO RECORD TV PROGRAMMES



❶ Turn on the TV and select the channel for the video recorder.

❷

❸ Insert a cassette.

With the round window to the left

❹ Select the channel to be recorded.

❺ Slide to the right.

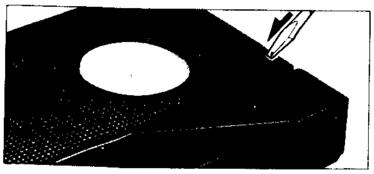
Nothing should be connected to the MIC, AUDIO IN and VIDEO IN jacks.

To stop recording

To eject the cassette, press the ■ / ▲ button again.

To stop the tape momentarily
Press the ❚❚ button. The lamp above the button will light. The TV programme can be seen on the TV, but the picture will not be recorded.
To resume recording, press the button again.
To protect the video heads and the tape, the pause mode will be automatically released after about 8 minutes and recording will resume.

To avoid erasing a recording
Break off the safety tab using a screwdriver or similar object.

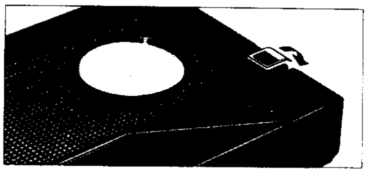


RECORDING ONE TV PROGRAMME WHILE VIEWING ANOTHER

You can record a TV programme selected on the recorder while viewing another TV programme.
❶ Start recording the desired TV programme in the usual way.
❷ Select the channel you want to view on the TV.

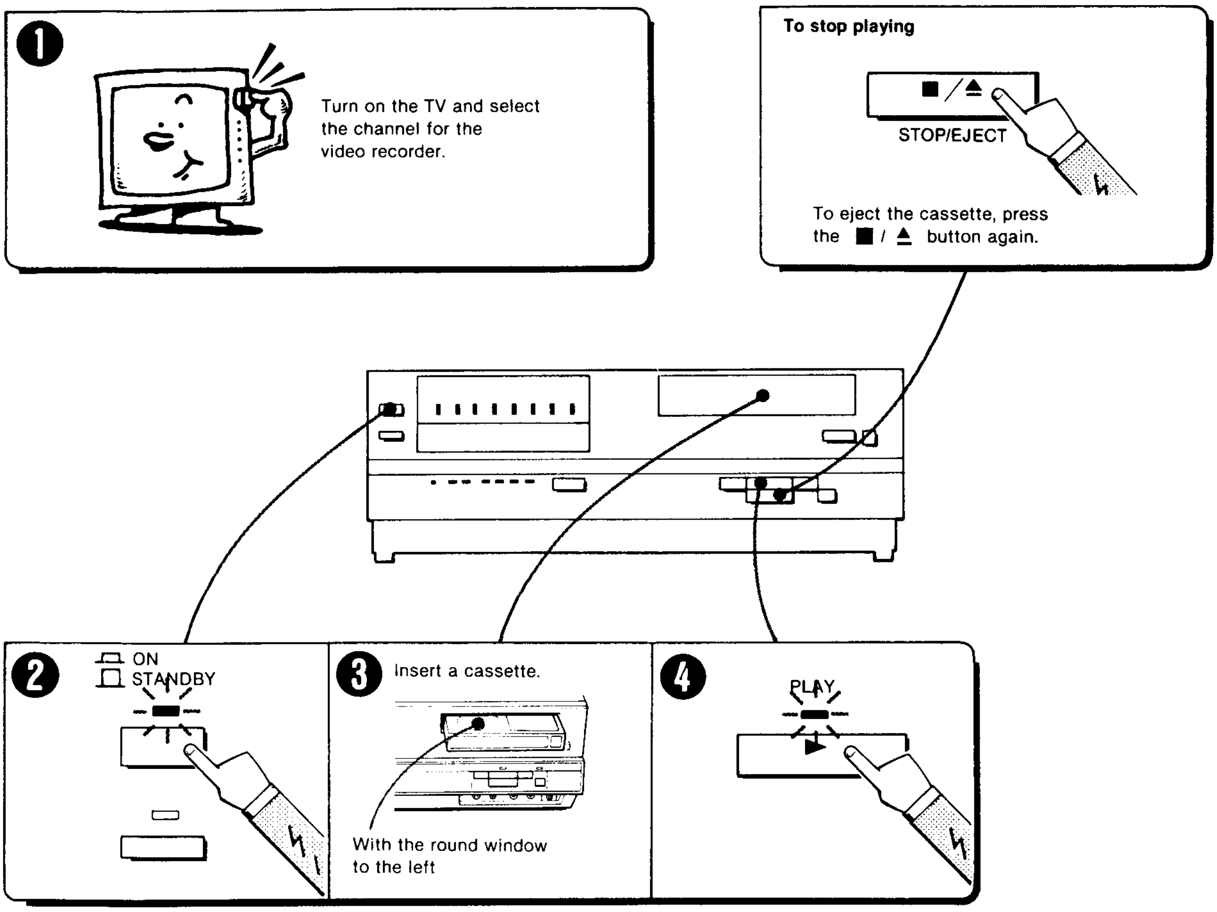
TO KEEP A RECORDED PROGRAMME FROM BEING ACCIDENTALLY ERASED
When a new recording is made on a previously recorded cassette, the previous recording will be automatically erased.

To re-record on a cassette which has had its safety tab removed
Cover the hole with a piece of plastic tape.



Caution
Television programmes, films, video tapes and other materials may be copyrighted.
Unauthorized recording of such material may be contrary to the provisions of the copyright laws.

1-8. HOW TO PLAY BACK A RECORDED TAPE



1 Turn on the TV and select the channel for the video recorder.

To stop playing

To eject the cassette, press the ■ / ▲ button again.

2

3 Insert a cassette.

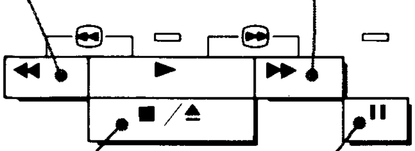
With the round window to the left

4

USE OF FUNCTION BUTTONS

◀◀ (rewind) button
Press to rewind the tape.
This is also used for the backward picture search operation.

▶▶ (fast forward) button
Press to advance the tape rapidly.
This is also used for the forward picture search operation.



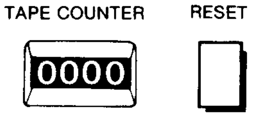
■ / ▲ STOP/EJECT button
Press to stop the tape.
Press again to eject the cassette.

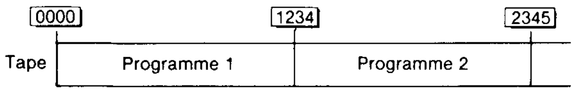
❙❙ PAUSE button
Press to stop the tape for a moment during playback. The lamp above the button will light.
A still picture will be seen on the TV screen.
To resume playback, press the button again. The pause mode will be automatically released after about 8 minutes, as in the record mode.

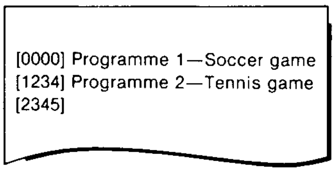
1-9. HOW TO LOCATE A PARTICULAR SCENE

USING THE TAPE COUNTER ...To reference a recorded programme numerically

Before starting recording or playback, press the RESET button so that the TAPE COUNTER indicates "0000". The counter numbers change as the tape moves.
Note the counter reading at the points of interest. You can easily find these points later by referring to the TAPE COUNTER.


TAPE COUNTER
RESET
0000

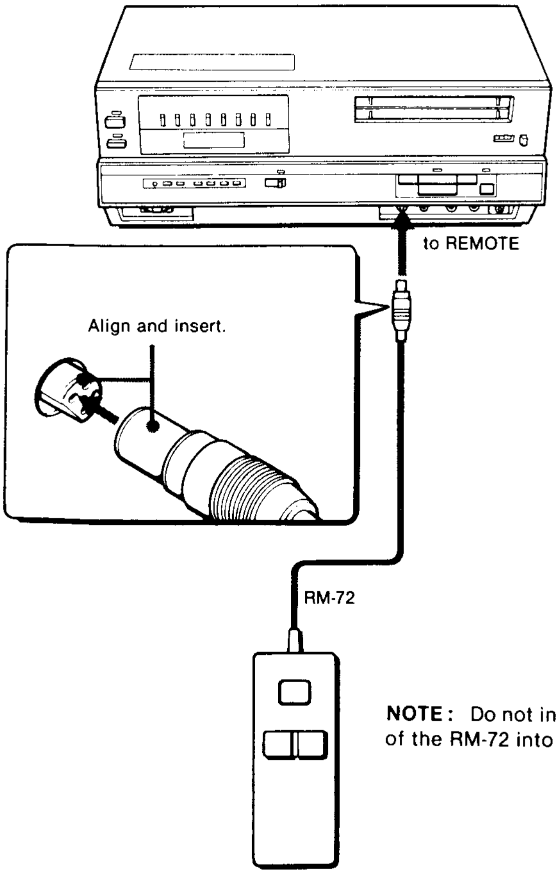

0000
1234
2345
Tape
Programme 1
Programme 2



[0000] Programme 1—Soccer game
[1234] Programme 2—Tennis game
[2345]

REMOTE CONTROL OPERATION ...For pause and picture search operation

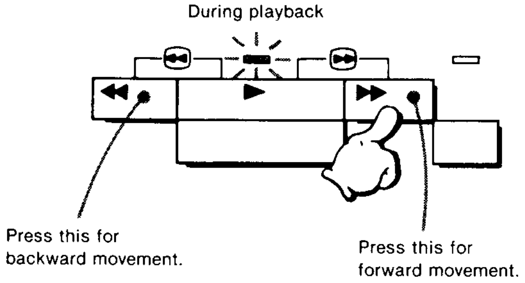
With the optional RM-72 remote control unit, you can set the recorder into the pause mode from the record or playback mode, and the picture search mode from the playback mode.


to REMOTE
Align and insert.
RM-72

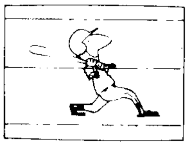
NOTE: Do not insert a connector other than the 4-pin plug of the RM-72 into REMOTE.

PICTURE SEARCH ...To search for a particular point while viewing the picture

For picture search operation, the recorder should be set in the playback mode.


During playback
Press this for backward movement.
Press this for forward movement.

At the desired point, release the button. The normal playback will resume.

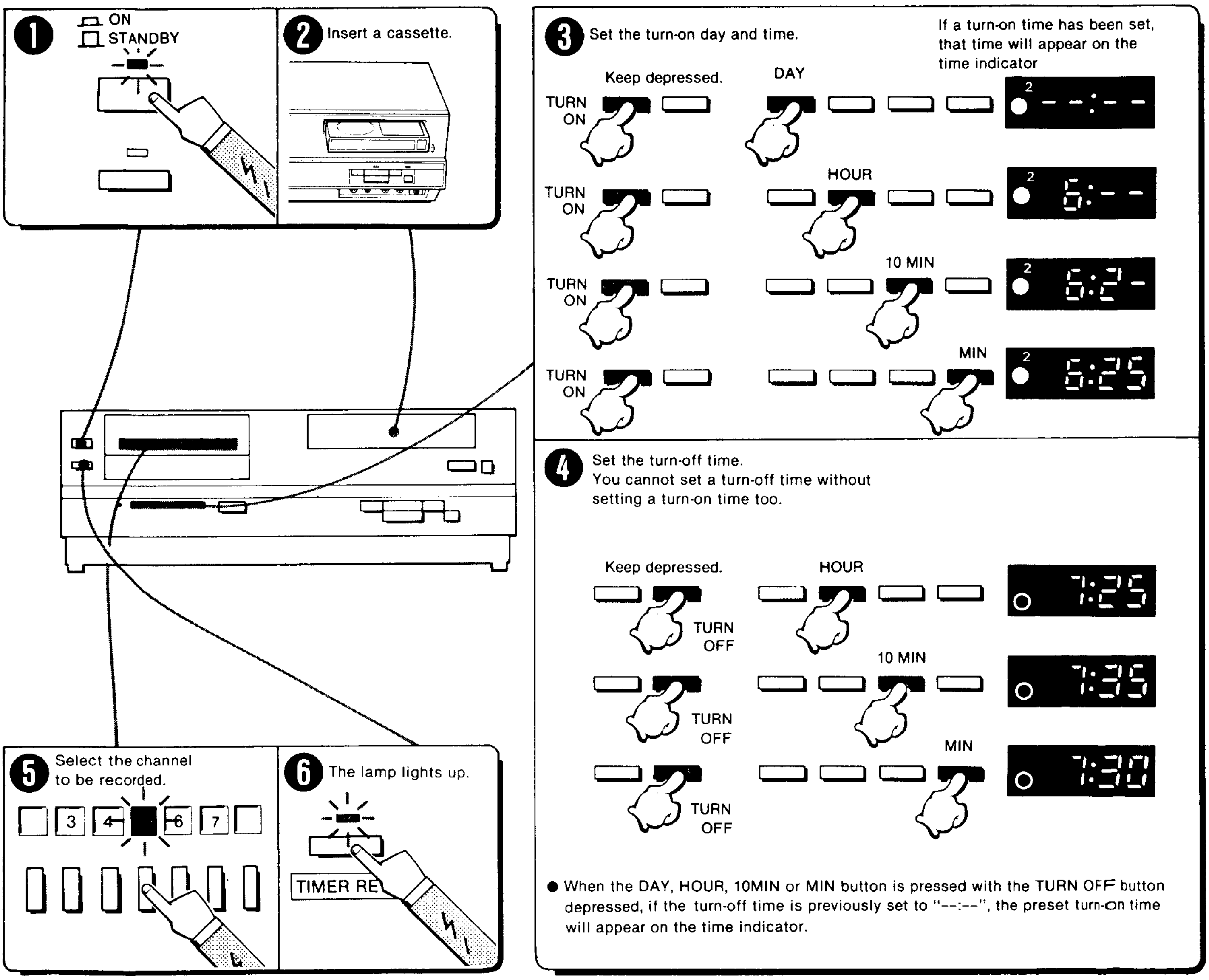


Streaks will appear during the picture search operation.

NOTE: Sound cannot be heard during the picture search operation.

1-10. TIMER-ACTIVATED RECORDING

The timer can only be used to start and stop recording. You can set a turn-on time and a turn-off time for recording any day of the week or every day of the week. For details how to set the timer, see page 6.



1. ON / STANDBY

2. Insert a cassette.

3. Set the turn-on day and time.

If a turn-on time has been set, that time will appear on the time indicator

4. Set the turn-off time.
You cannot set a turn-off time without setting a turn-on time too.

5. Select the channel to be recorded.

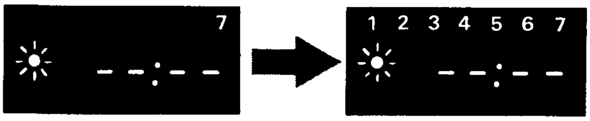
6. The lamp lights up.

- When the DAY, HOUR, 10MIN or MIN button is pressed with the TURN OFF button depressed, if the turn-off time is previously set to "--:--", the preset turn-on time will appear on the time indicator.

ON
STANDBY
Keep depressed.
DAY
TURN ON
2
--:--
HOUR
6:--
10 MIN
6:2-
MIN
6:25
Keep depressed.
HOUR
TURN OFF
7:25
10 MIN
7:35
MIN
7:30
3
4
6
7
TIMER RE

At the preset turn-on time, the recording will start automatically and will continue to the preset turn-off time or to the end of the tape, at which time the recorder will be automatically turned off.

To record a programme at the same time everyday, press the DAY button after the last number, "7", lights so that all the indicators from 1 to 7 light. The timer-activated recording will be made everyday at the same time if you leave the TIMER REC button depressed, as long as the tape lasts.



To record to the end of the tape, set the turn-off time to "-- : --".
To set to "-- : --", set the turn-off time at the same time as the preset turn-on time. "-- : -- will appear on the time indicator when the TURN OFF button is pressed for checking. Recording will continue to the end of the tape and the recorder will automatically turn off at that time.

> **NOTICE:** ONCE THE TIMER REC LAMP HAS LIT UP, NO FUNCTION OF THE RECORDER CAN BE ACTIVATED, except the timer section settings. To operate the recorder after setting the timer for recording, depress the TIMER REC button to release it.

If the TIMER REC lamp does not light when you depress the TIMER REC button, check the following:
—Did you insert a cassette?
—Does the cassette inserted have a safety tab on the bottom?
—Did you interrupt a timer-activated recording by pressing the ■/⏏ button? (See "**To stop a timer-activated recording**")

Checking the timer setting
Press the TURN ON button to check the turn-on day/time and the TURN OFF button to check the turn-off time. You can reset the turn-on day/time and turn-off time separately, if necessary.

When the timer-activated recording is finished, press the TIMER REC button to release it.
If you leave the TIMER REC button depressed, the timer recroding will be activated at the same time on the same day of the next week, as long as tape remains.

To stop a timer-activated recording,
press the ■/⏏ button and the recorder will be turned off. To set the unit to make the next timer recording on the same cassette, remove the cassette and insert it again. (If this is not done, the TIMER REC lamp will not light even if the TIMER REC button is pressed.)
For other operations, first press the TIMER REC button to release it, then press the ON/STANDBY button to turn on the recorder.

WHEN A POWER INTERRUPTION OCCURS

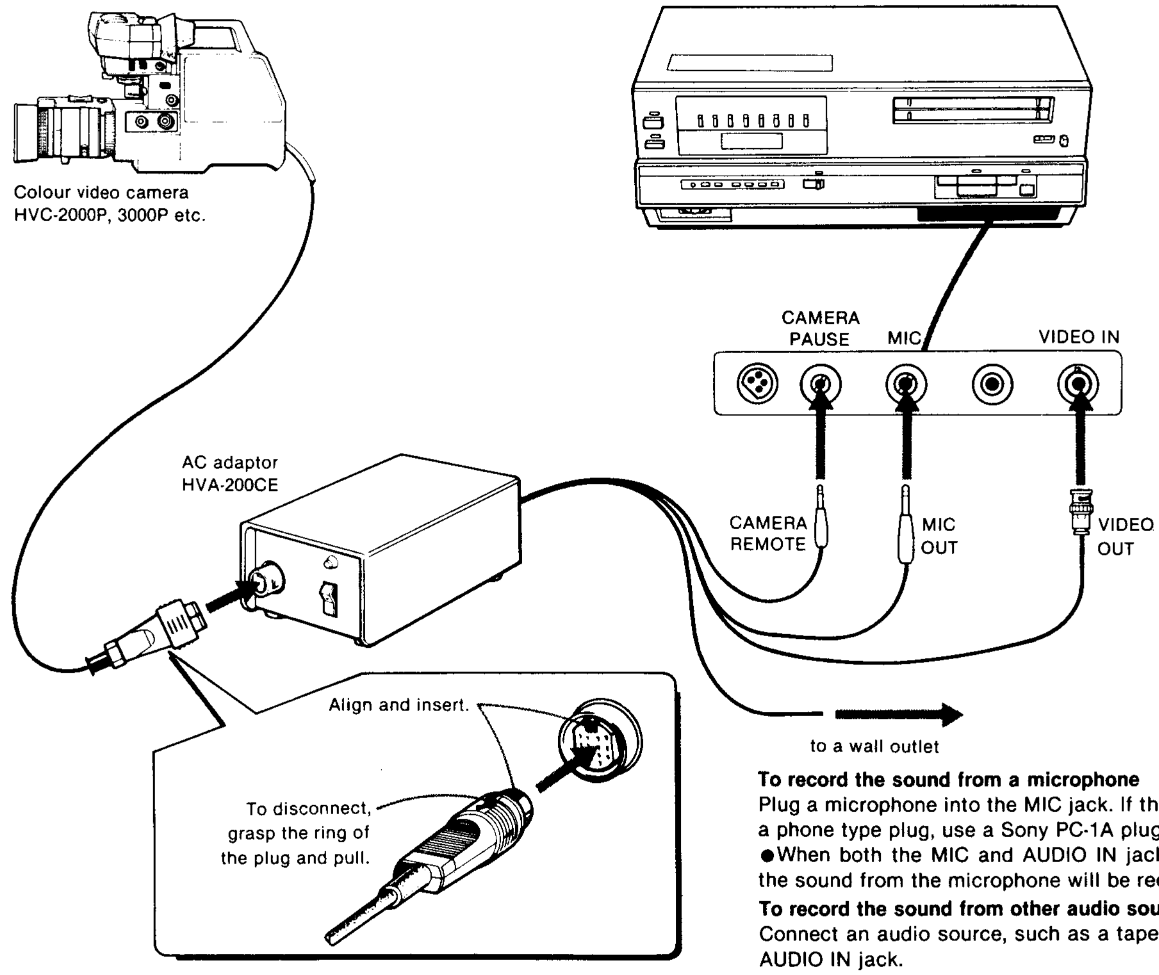
If the clock shows "0:00" and blinks
all the timer settings have been erased. Reset the clock time and the timer settings.

If the clock still shows the correct time but the dots blink
the power has been interrupted for less than 30 seconds, and the timer programmes are retained in the memory.
To stop the dots' blinking, press the CLOCK button.

1-11. CAMERA RECORDING (For producing your own programmes)

CONNECTIONS

- The camera must conform to CCIR TV standards (PAL colour).

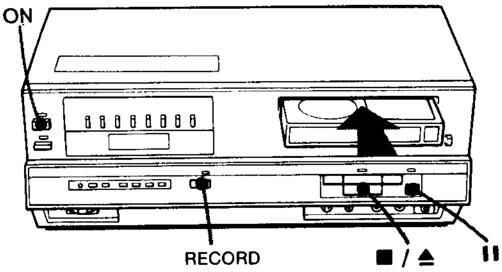

Colour video camera
HVC-2000P, 3000P etc.
CAMERA PAUSE
MIC
VIDEO IN
AC adaptor
HVA-200CE
CAMERA REMOTE
MIC OUT
VIDEO OUT
to a wall outlet
Align and insert.
To disconnect, grasp the ring of the plug and pull.

To record the sound from a microphone
Plug a microphone into the MIC jack. If the microphone has a phone type plug, use a Sony PC-1A plug adaptor.

- When both the MIC and AUDIO IN jacks are connected, the sound from the microphone will be recorded.

To record the sound from other audio sources
Connect an audio source, such as a tape recorder, into the AUDIO IN jack.

OPERATION


ON
RECORD
■ / ≜
II

❶ Press the ON/STANDBY button to turn on the recorder and insert a cassette.
❷ Turn on the power switch on the ac adaptor.
❸ Make the necessary adjustments on the camera. See the instruction manual furnished with the camera.
❹ Slide the RECORD button to the right. Recording will begin.

- If a camera with a tape run/stop button is used, you can momentarily stop recording and restart it using that button.
- If any other camera is used, use the **II** button on the recorder or the PAUSE button on the remote control unit to stop the recording momentarily and restart it.

When the recording is finished, press the ■ / ≜ button.

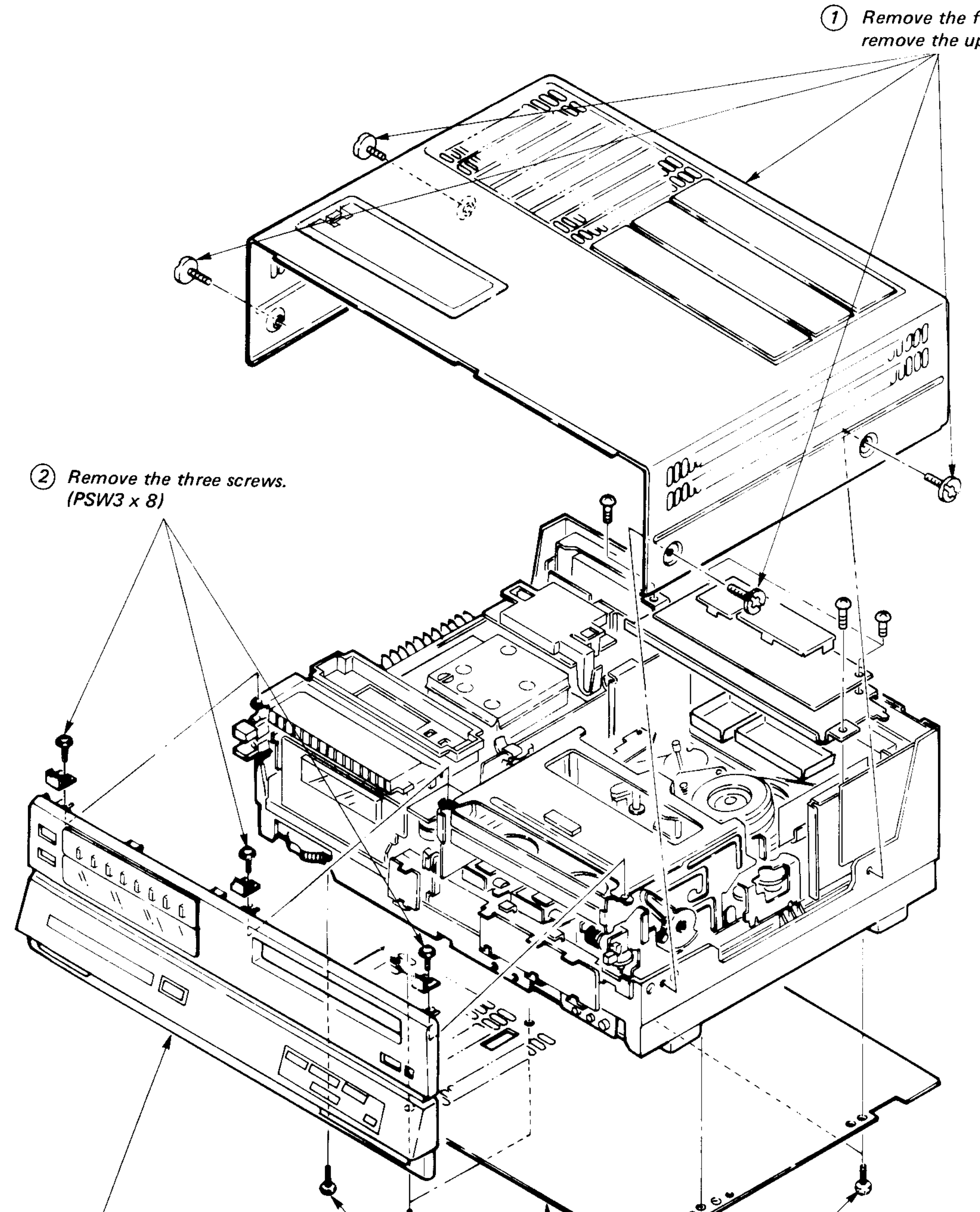
To view the picture being recorded on the TV screen
❶ Turn the connected TV on.
❷ Select the channel for the video recorder on the TV.
The picture being recorded will appear on the TV screen.

- If acoustic feedback (a whistle-like sound) is heard when the microphone sound is recorded, turn the microphone (or the camera, if the microphone is built into the camera) away from the TV or turn down the TV volume.

Note
If the input signal level from the VIDEO IN connector is more or less than the required level, you may see a distorted picture or hear a buzzing sound when you monitor the picture on a television or on a monitor screen during camera recording. In this case the picture will still be properly recorded and can be played back without distortion.

SECTION 2
DISASSEMBLY

2-1. CABINET REMOVAL



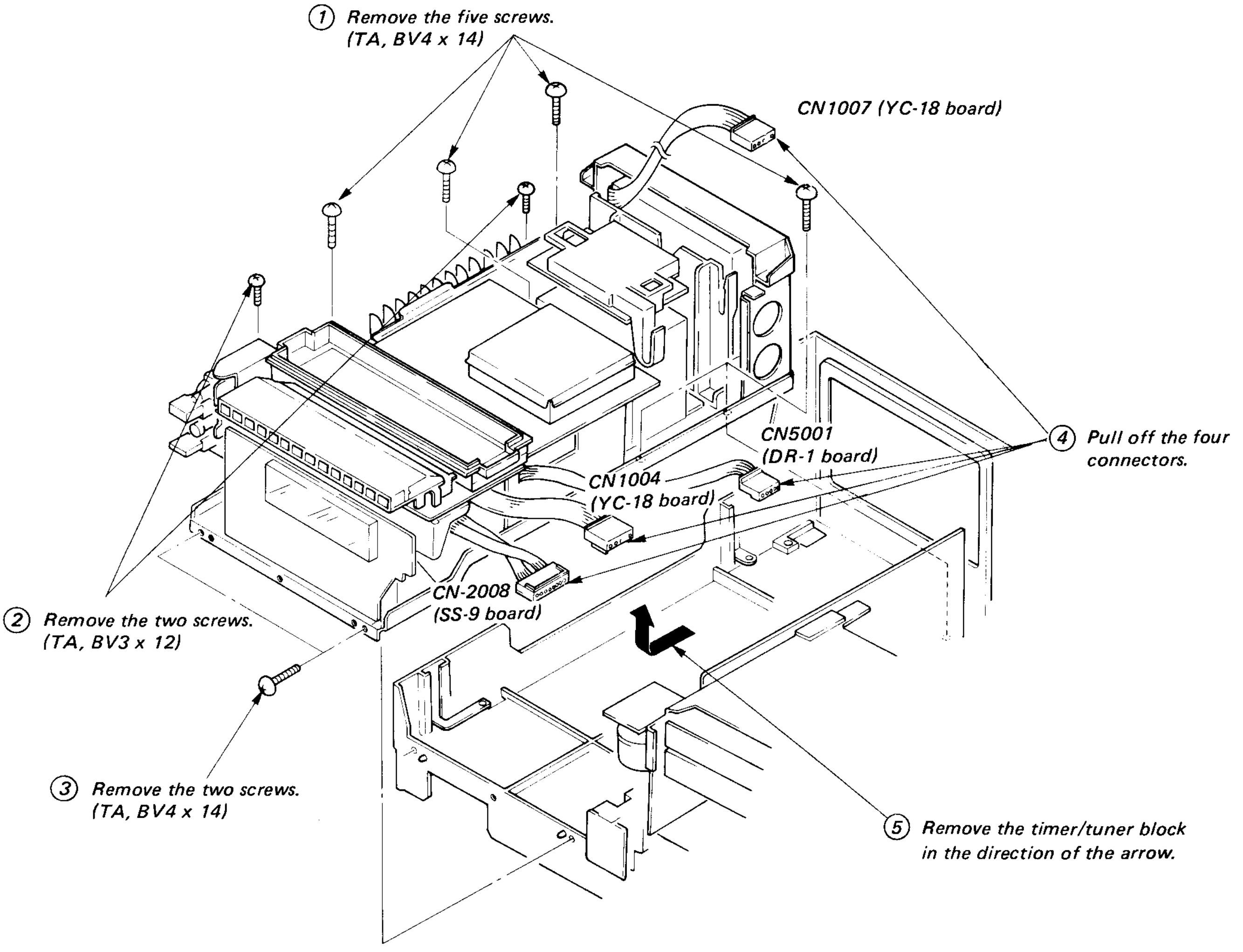
① Remove the four screws and remove the uppercase.

② Remove the three screws. (PSW3 x 8)

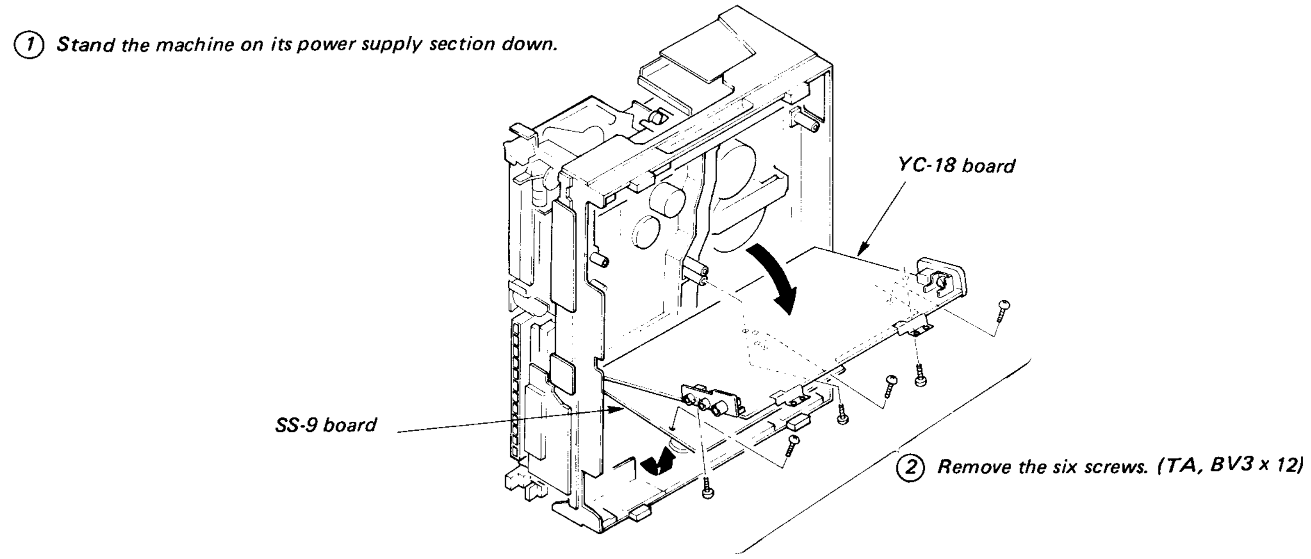
③ Push the front panel assembly upward and pull it forward you.

④ Remove the seven screws (TA, BV3 x 12) and remove the bottom plate.

2-2. TIMER/TUNER BLOCK REMOVAL


① Remove the five screws.
(TA, BV4 x 14)
CN1007 (YC-18 board)
CN5001
(DR-1 board)
④ Pull off the four connectors.
CN1004
(YC-18 board)
CN-2008
(SS-9 board)
② Remove the two screws.
(TA, BV3 x 12)
③ Remove the two screws.
(TA, BV4 x 14)
⑤ Remove the timer/tuner block in the direction of the arrow.

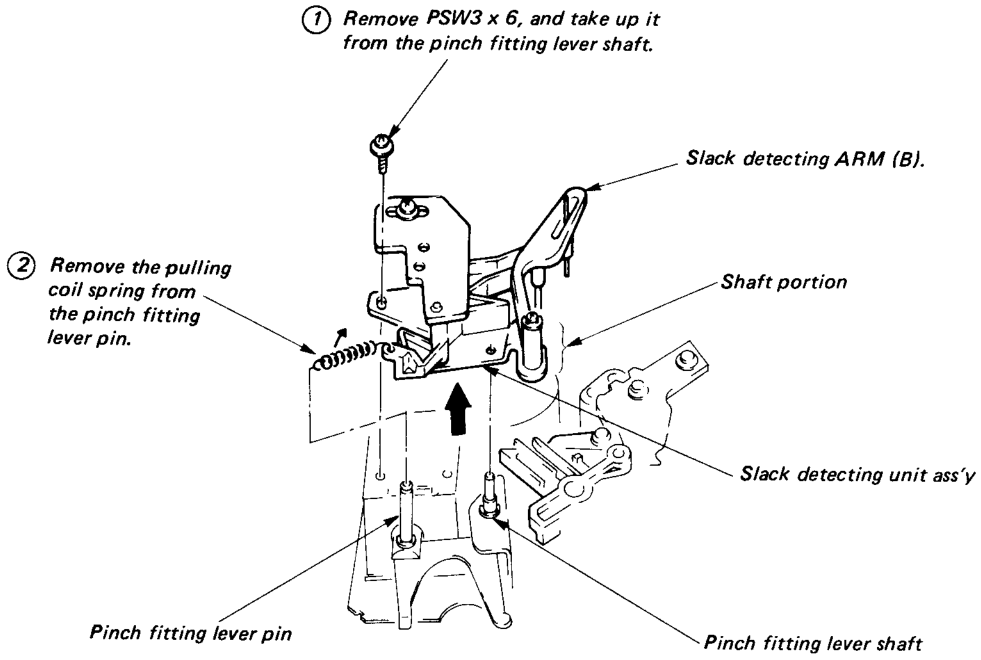
2-3. CHECK OF YC-18 AND SS-9 BOARDS

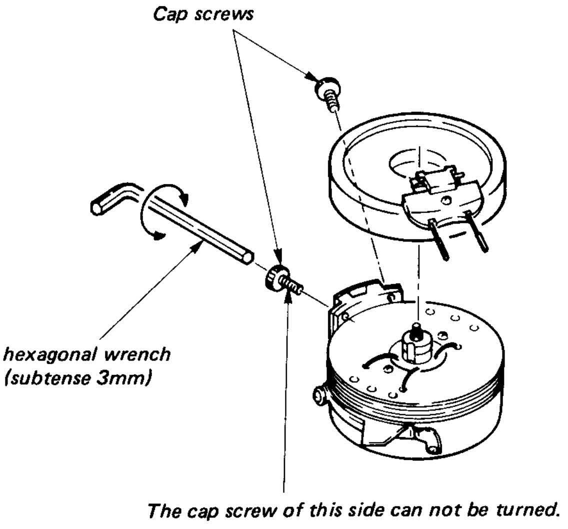

① Stand the machine on its power supply section down.
YC-18 board
SS-9 board
② Remove the six screws. (TA, BV3 x 12)

2-4. UPPER DRUM REMOVAL

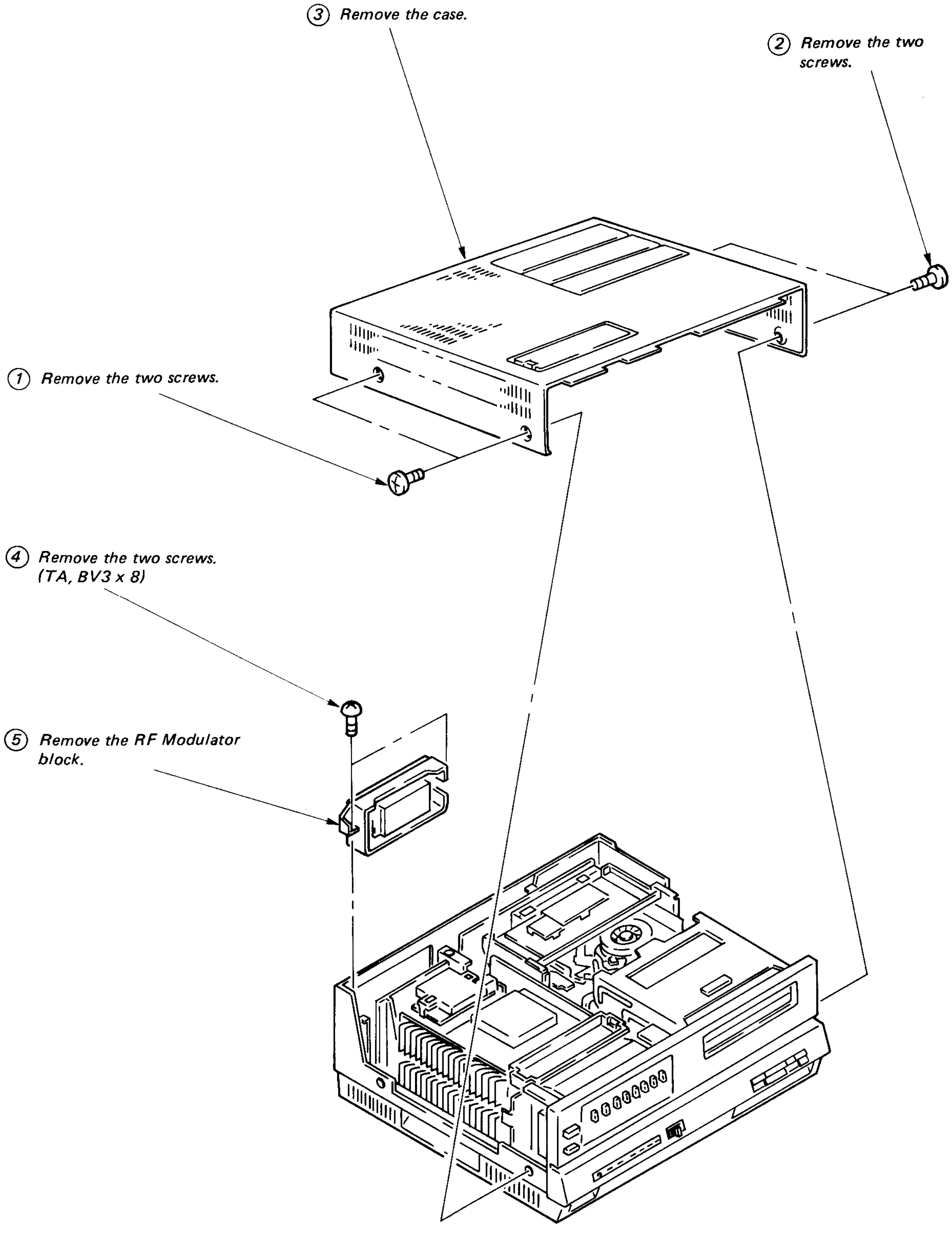
As illustrated below, in the case that the cap screws are removed to adjust the cylindrical degree and to replace RD for maintenance service. Remove them by the hexagonal wrench (Subtense 3 mm) after removing the ASS'Y of the slack detecting unit.

It is due to the reason why the cap screw can not be turned so that the hexagonal wrench may touch to the shaft portion of the slack detecting arm (B).


① Remove PSW3 x 6, and take up it from the pinch fitting lever shaft.
Slack detecting ARM (B).
② Remove the pulling coil spring from the pinch fitting lever pin.
Shaft portion
Slack detecting unit ass'y
Pinch fitting lever pin
Pinch fitting lever shaft

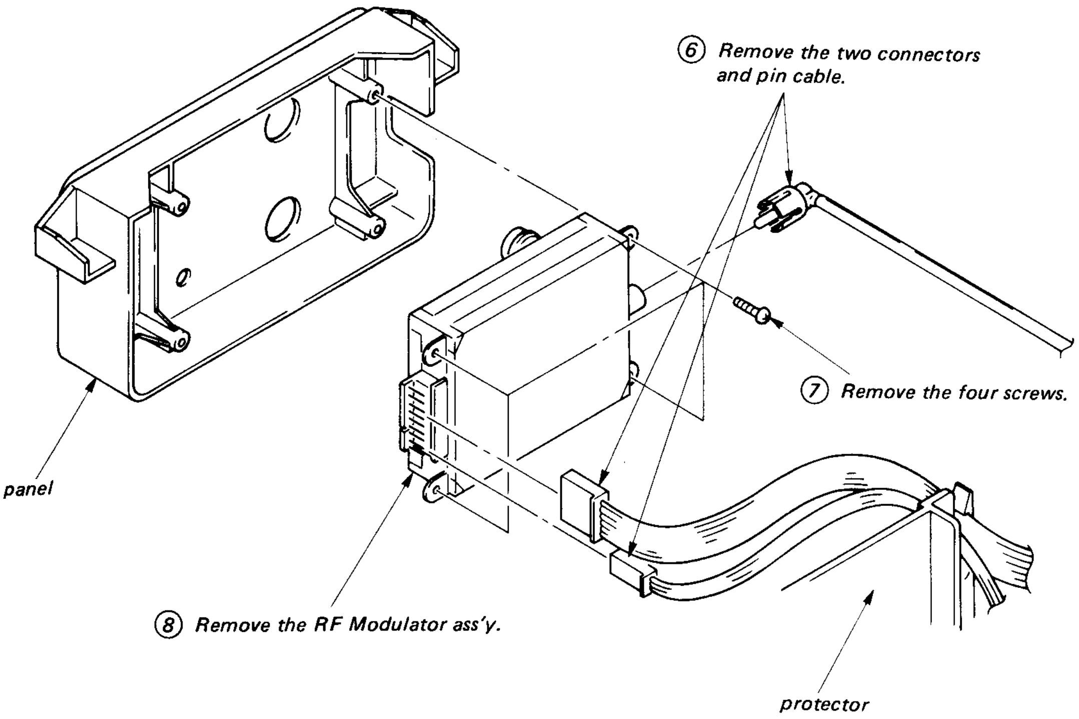

Cap screws
hexagonal wrench (subtense 3mm)
The cap screw of this side can not be turned.

2-5. REMOVE THE RF MODULATOR ASS'Y (1)

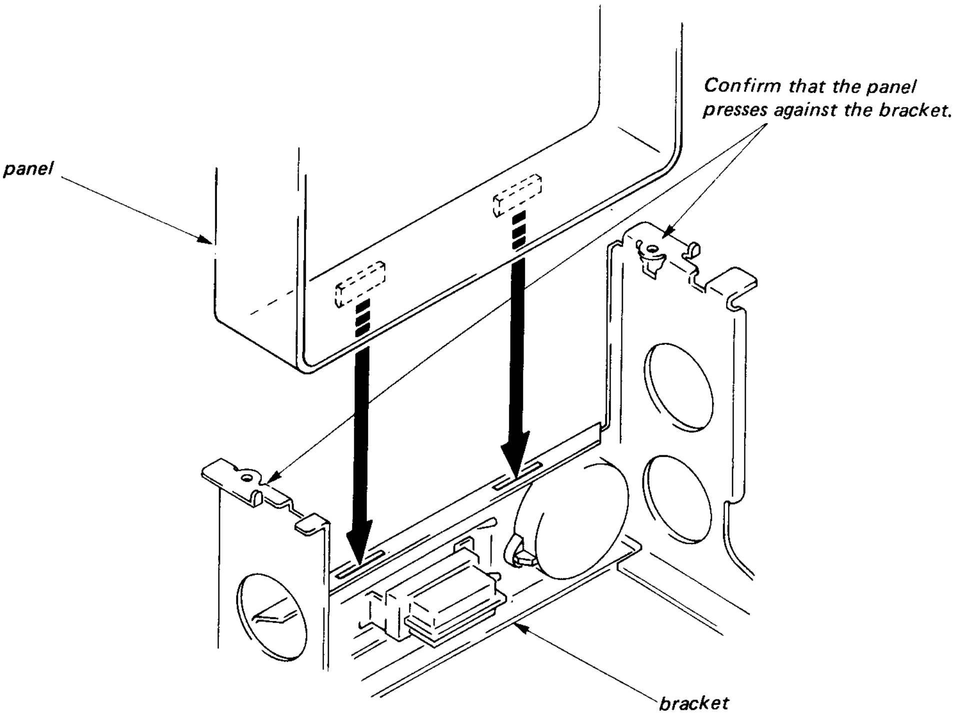


③ Remove the case.
② Remove the two screws.
① Remove the two screws.
④ Remove the two screws. (TA, BV3 x 8)
⑤ Remove the RF Modulator block.

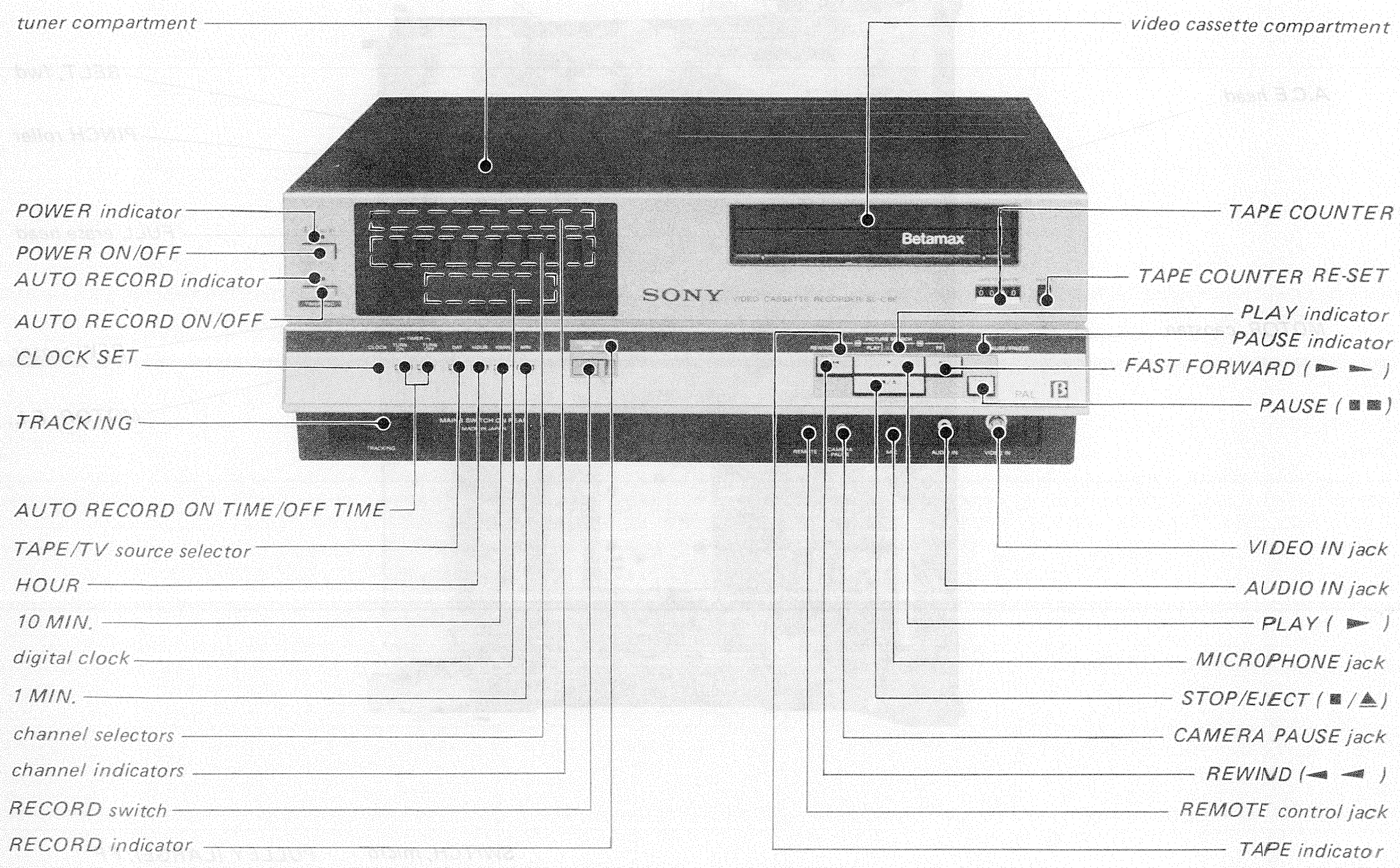
2-6. REMOVE THE RF MODULATOR ASS'Y (2)

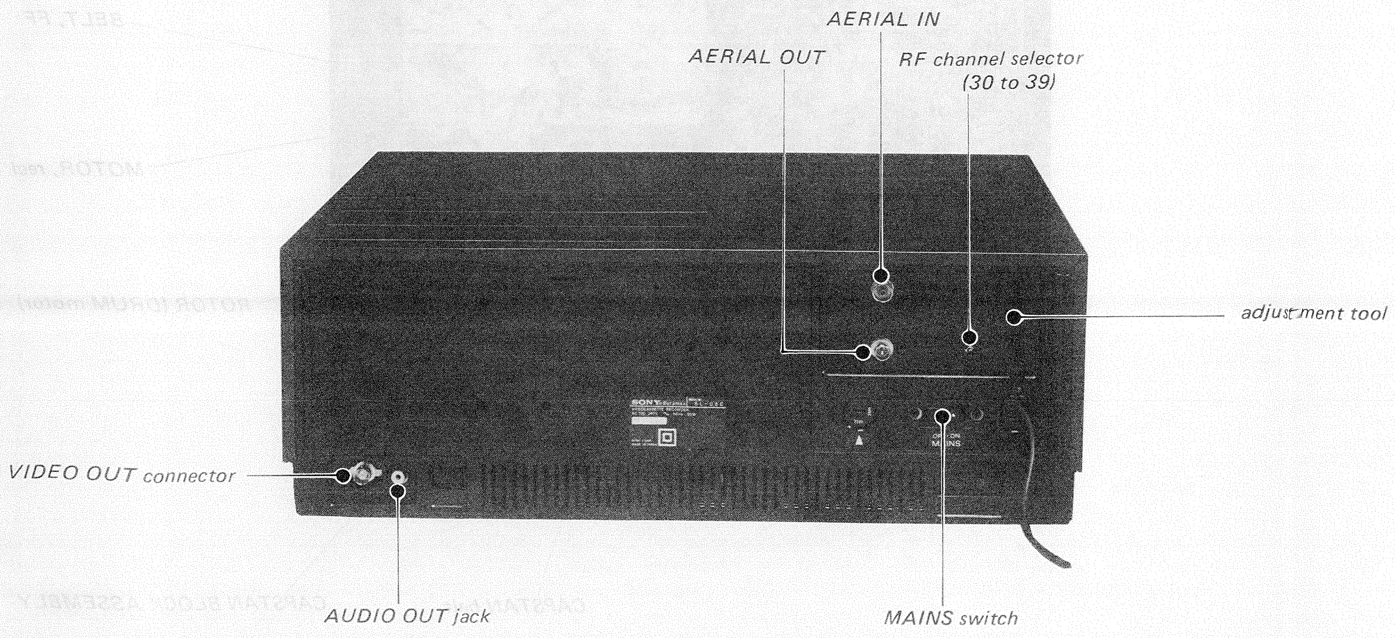

⑥ Remove the two connectors and pin cable.
⑦ Remove the four screws.
panel
⑧ Remove the RF Modulator ass'y.
protector

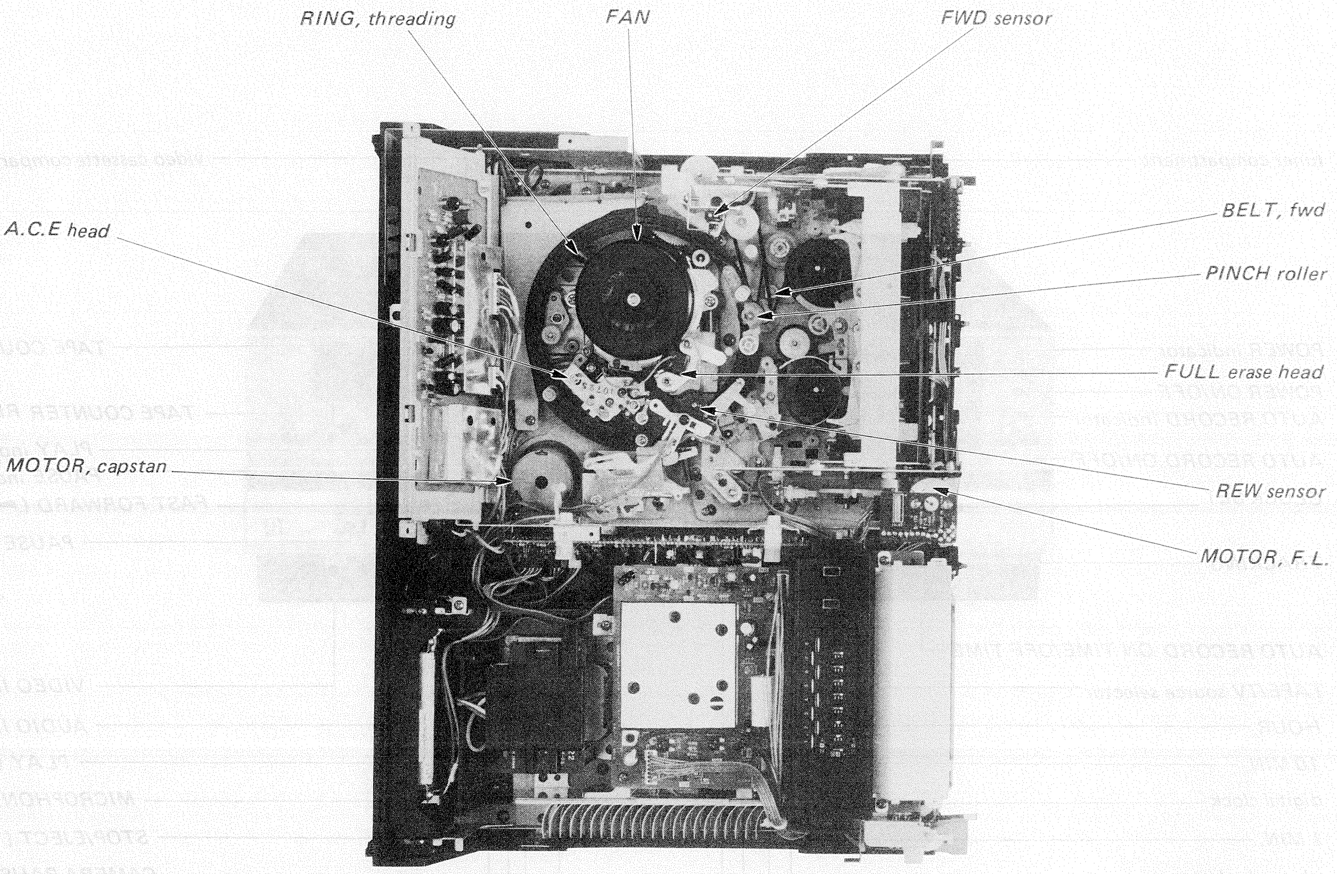
2-7. REMOVE THE RF MODULATOR ASS'Y (3)

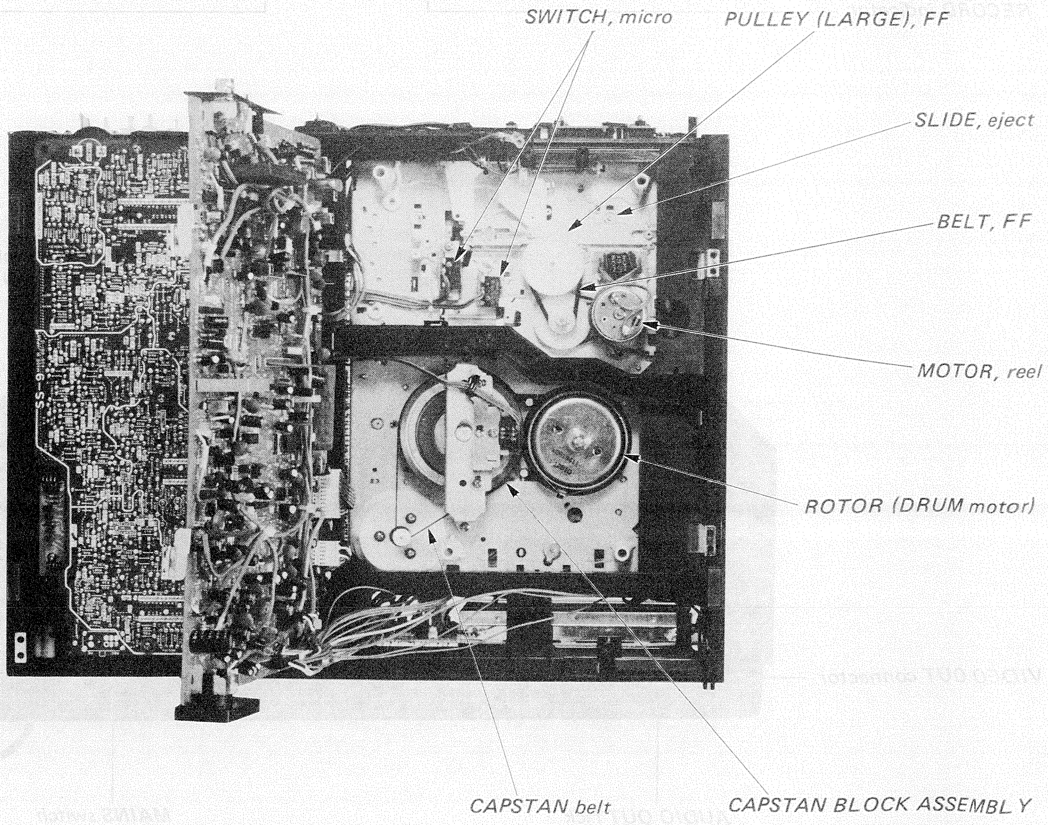

Confirm that the panel presses against the bracket.
panel
bracket

2-8. LOCATION OF PARTS AND CONTROLS

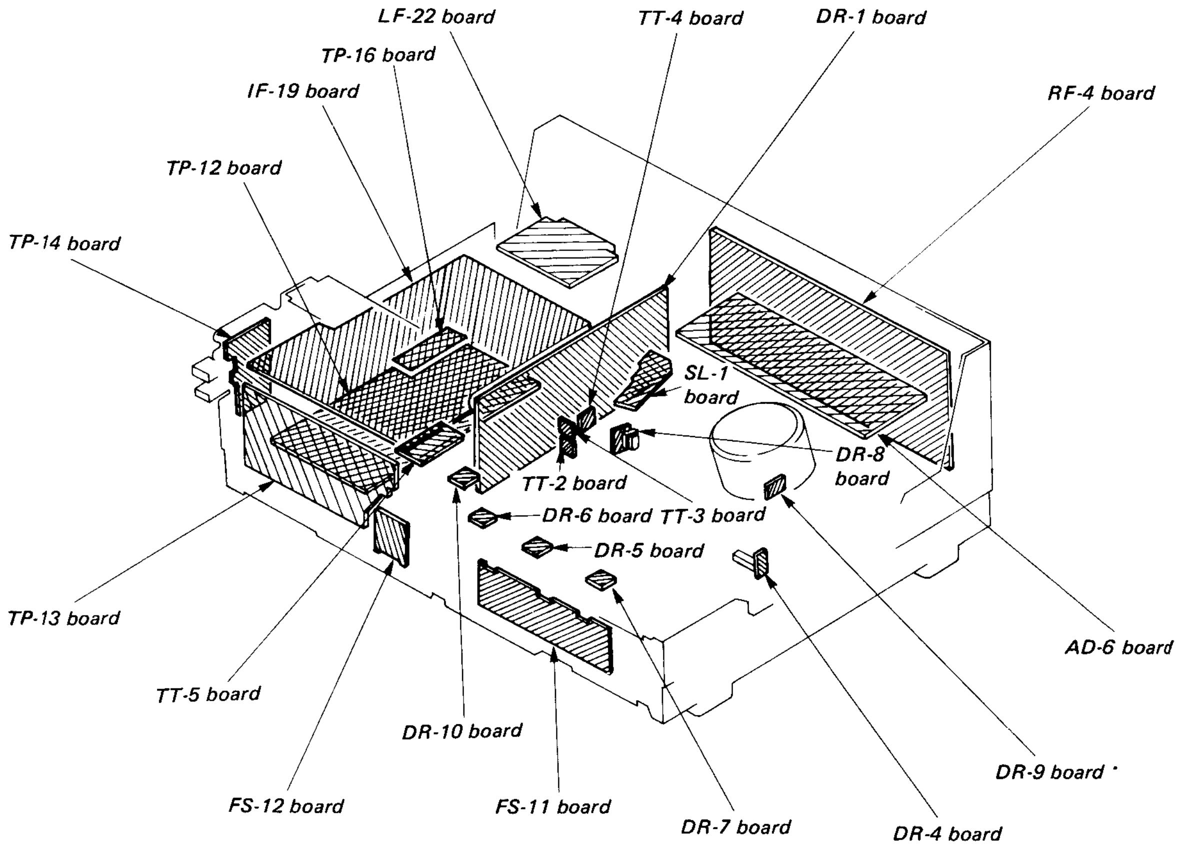

tuner compartment
video cassette compartment
POWER indicator
POWER ON/OFF
AUTO RECORD indicator
AUTO RECORD ON/OFF
CLOCK SET
TRACKING
TAPE COUNTER
TAPE COUNTER RE-SET
PLAY indicator
PAUSE indicator
FAST FORWARD (►►)
PAUSE (■■)
SONY
Betamax
PAL
AUTO RECORD ON TIME/OFF TIME
TAPE/TV source selector
HOUR
10 MIN.
digital clock
1 MIN.
channel selectors
channel indicators
RECORD switch
RECORD indicator
VIDEO IN jack
AUDIO IN jack
PLAY (►)
MICROPHONE jack
STOP/EJECT (■/▲)
CAMERA PAUSE jack
REWIND (◄◄)
REMOTE control jack
TAPE indicator

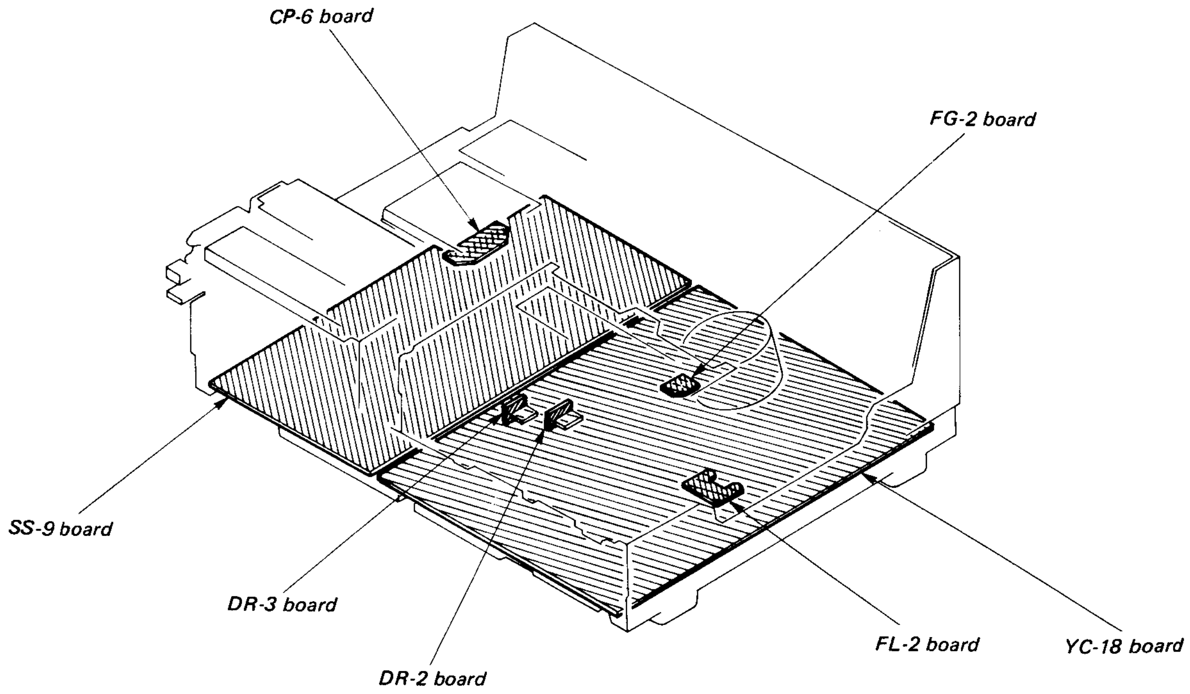

AERIAL IN
AERIAL OUT
RF channel selector (30 to 39)
adjustment tool
VIDEO OUT connector
AUDIO OUT jack
MAINS switch


RING, threading
FAN
FWD sensor
A.C.E head
BELT, fwd
PINCH roller
FULL erase head
MOTOR, capstan
REW sensor
MOTOR, F.L.


SWITCH, micro
PULLEY (LARGE), FF
SLIDE, eject
BELT, FF
MOTOR, reel
ROTOR (DRUM motor)
CAPSTAN belt
CAPSTAN BLOCK ASSEMBLY

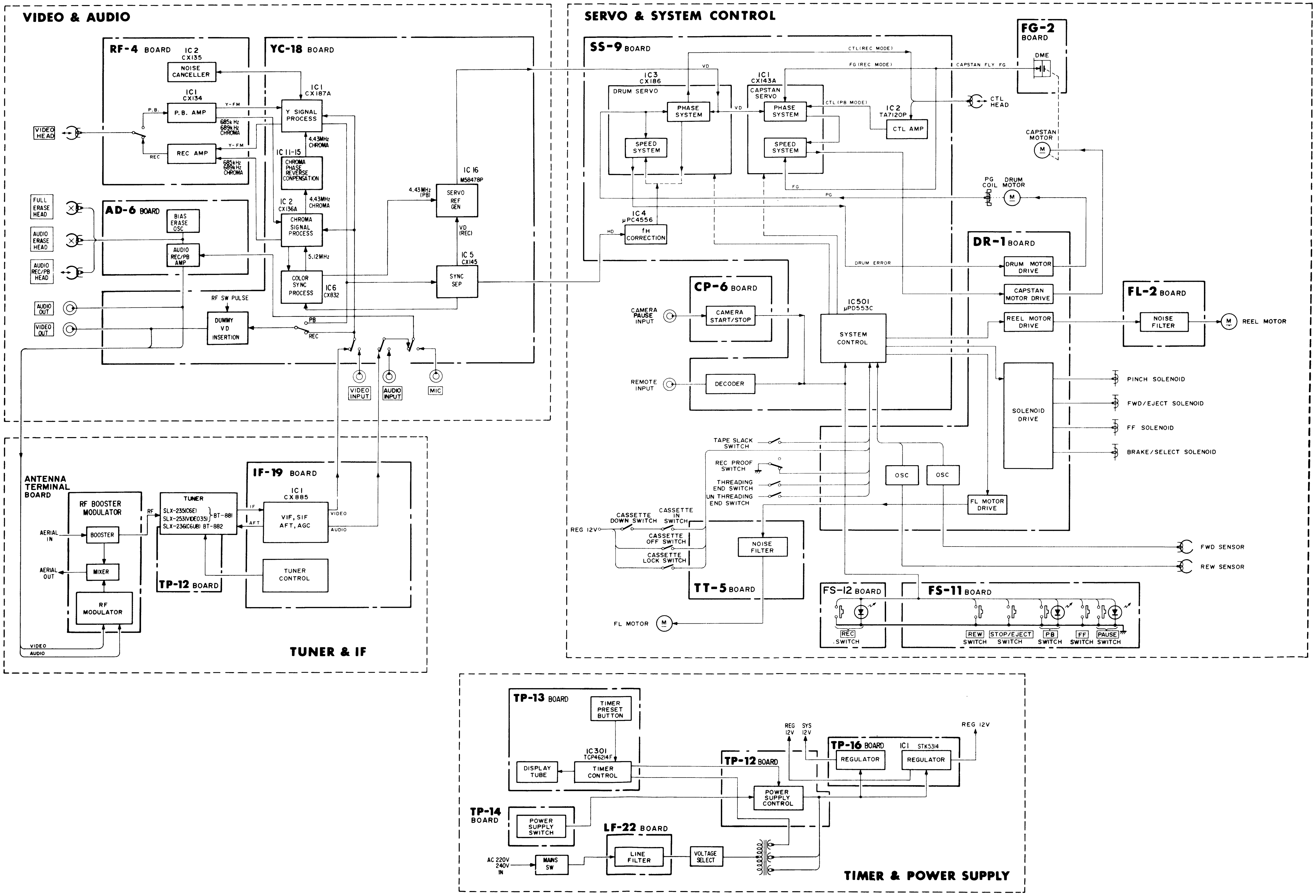
CIRCUIT BOARDS LOCATION


LF-22 board
TT-4 board
DR-1 board
TP-16 board
IF-19 board
RF-4 board
TP-12 board
TP-14 board
SL-1 board
DR-8 board
TT-2 board
DR-6 board
TT-3 board
DR-5 board
TP-13 board
AD-6 board
TT-5 board
DR-10 board
DR-9 board
FS-12 board
FS-11 board
DR-7 board
DR-4 board

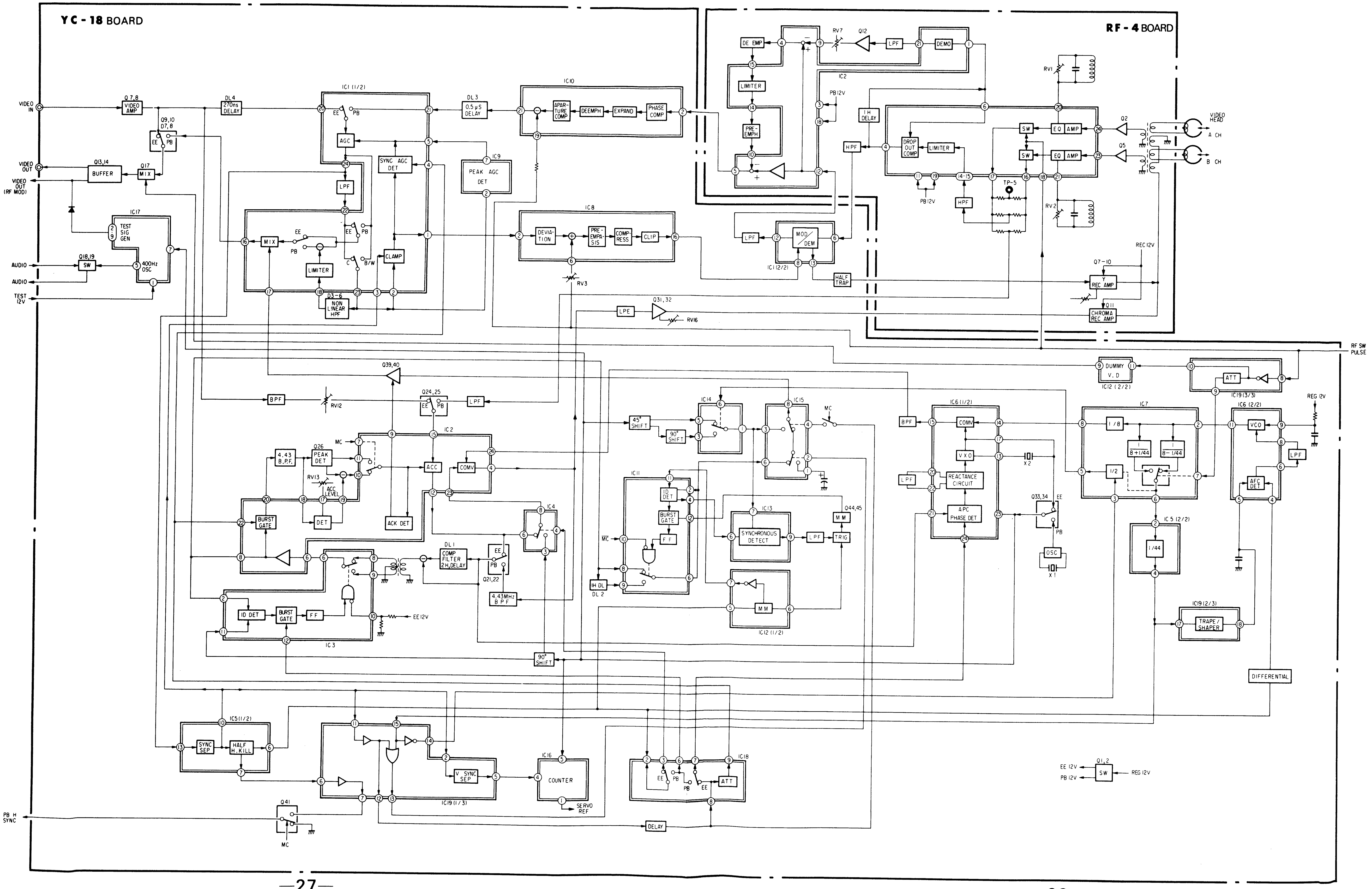

CP-6 board
FG-2 board
SS-9 board
DR-3 board
FL-2 board
YC-18 board
DR-2 board

SECTION 3
BLOCK DIAGRAMS

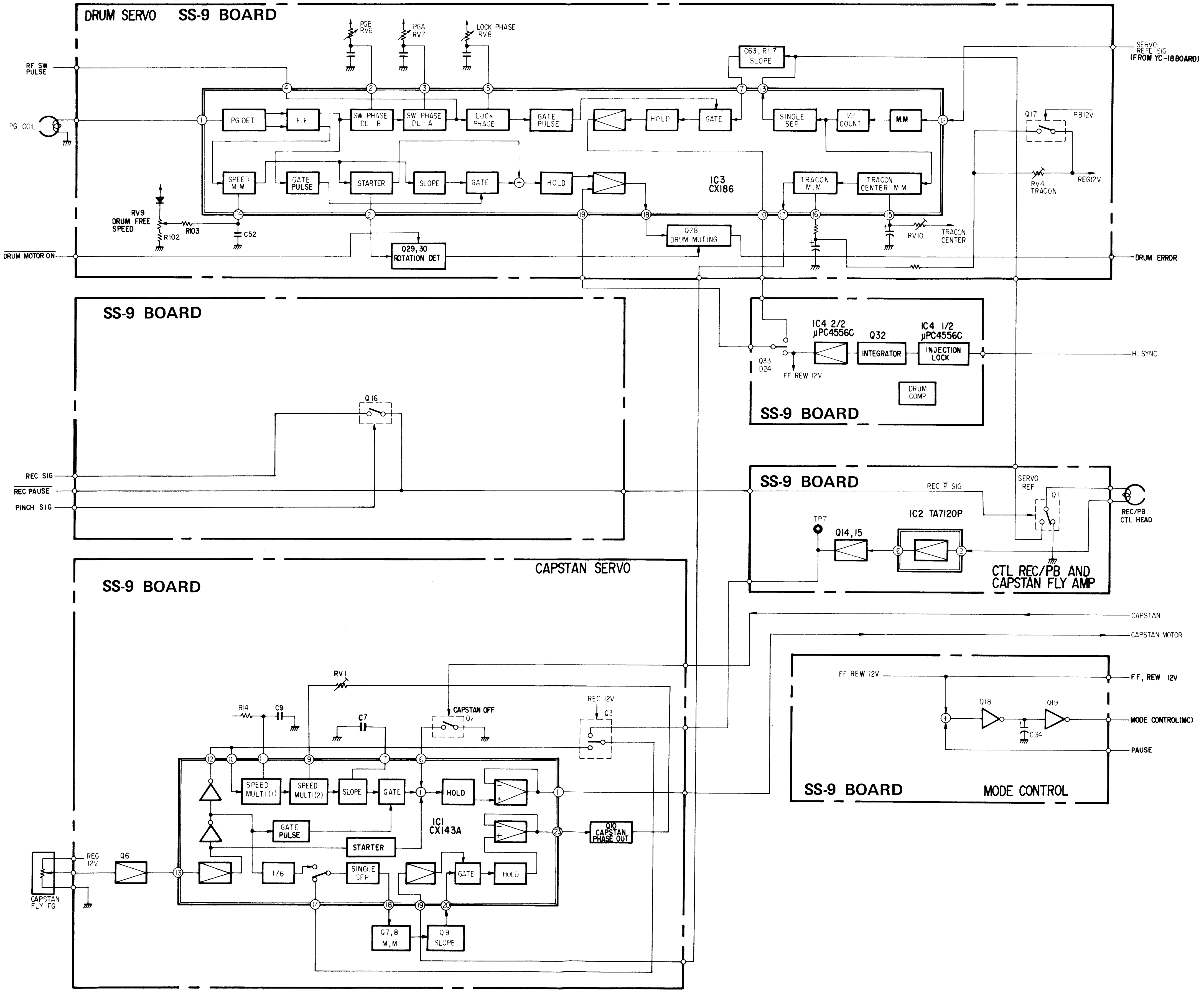
OVERALL BLOCK DIAGRAM


VIDEO & AUDIO
RF-4 BOARD
IC2 CX135
NOISE CANCELLER
IC1 CX134
P.B. AMP
P.B.
REC AMP
REC
Y-FM
685kHz 689kHz CHROMA
VIDEO HEAD
YC-18 BOARD
IC1 CX187A
Y SIGNAL PROCESS
4.43MHz CHROMA
IC 11-15
CHROMA PHASE REVERSE CONPENSATION
IC 2 CX136A
CHROMA SIGNAL PROCESS
5.12MHz
COLOR SYNC PROCESS
IC6 CX832
IC 16 M58478P
SERVO REF GEN
4.43MHz (PB)
VD (REC)
IC 5 CX145
SYNC SEP
FULL ERASE HEAD
AUDIO ERASE HEAD
AUDIO REC/PB HEAD
AD-6 BOARD
BIAS ERASE OSC
AUDIO REC/PB AMP
AUDIO OUT
VIDEO OUT
RF SW PULSE
DUMMY VD INSERTION
PB
REC
VIDEO INPUT
AUDIO INPUT
MIC
SERVO & SYSTEM CONTROL
SS-9 BOARD
CTL(REC MODE)
FG(REC MODE)
CAPSTAN FLY FG
VD
IC3 CX186
DRUM SERVO
PHASE SYSTEM
SPEED SYSTEM
IC1 CX143A
CAPSTAN SERVO
CTL(PB MODE)
IC2 TA7120P
CTL AMP
FG
PG
HD
IC4 µPC4556
fH CORRECTION
FG-2 BOARD
DME
CTL HEAD
CAPSTAN MOTOR
M
PG COIL
DRUM MOTOR
DRUM ERROR
DR-1 BOARD
DRUM MOTOR DRIVE
CAPSTAN MOTOR DRIVE
REEL MOTOR DRIVE
FL-2 BOARD
NOISE FILTER
REEL MOTOR
CP-6 BOARD
CAMERA PAUSE INPUT
CAMERA START/STOP
REMOTE INPUT
DECODER
IC501 µPD553C
SYSTEM CONTROL
SOLENOID DRIVE
PINCH SOLENOID
FWD/EJECT SOLENOID
FF SOLENOID
BRAKE/SELECT SOLENOID
TAPE SLACK SWITCH
REC PROOF SWITCH
THREADING END SWITCH
UN THREADING END SWITCH
CASSETTE DOWN SWITCH
CASSETTE IN SWITCH
CASSETTE OFF SWITCH
CASSETTE LOCK SWITCH
REG 12V
NOISE FILTER
TT-5 BOARD
FL MOTOR
OSC
OSC
FL MOTOR DRIVE
FWD SENSOR
REW SENSOR
FS-12 BOARD
REC .SWITCH
FS-11 BOARD
REW SWITCH
STOP/EJECT SWITCH
PB SWITCH
FF SWITCH
PAUSE SWITCH
ANTENNA TERMINAL BOARD
RF BOOSTER MODULATOR
AERIAL IN
BOOSTER
AERIAL OUT
MIXER
RF MODULATOR
VIDEO
AUDIO
RF
TUNER
SLX-235(C6E)
SLX-253(VIDE035)
BT-881
SLX-236(C6UB) BT-882
TP-12 BOARD
IF-19 BOARD
IC1 CX885
IF
AFT
VIF, SIF AFT, AGC
VIDEO
AUDIO
TUNER CONTROL
TUNER & IF
TP-13 BOARD
TIMER PRESET BUTTON
IC301 TCP46214F
DISPLAY TUBE
TIMER CONTROL
TP-14 BOARD
POWER SUPPLY SWITCH
LF-22 BOARD
AC 220V 240V IN
MAINS SW
LINE FILTER
VOLTAGE SELECT
TP-12 BOARD
POWER SUPPLY CONTROL
REG 12V
SYS 12V
TP-16 BOARD
IC1 STK5314
REGULATOR
REGULATOR
REG 12V
TIMER & POWER SUPPLY

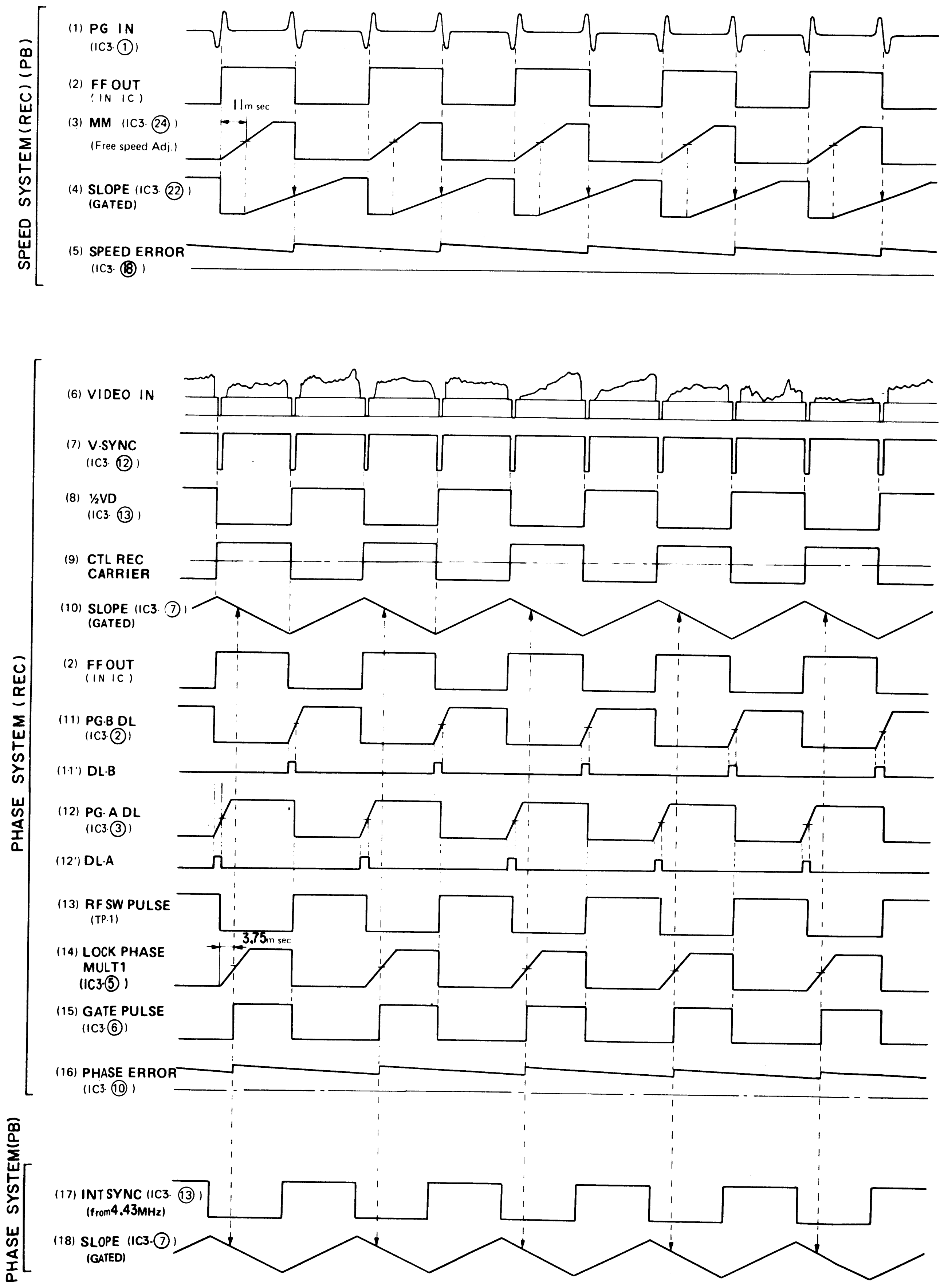
VIDEO SYSTEM BLOCK DIAGRAM


YC-18 BOARD
RF-4 BOARD
VIDEO IN
VIDEO OUT
VIDEO OUT (RF MOD)
AUDIO
AUDIO
TEST 12V
Q7,8 VIDEO AMP
Q9,10 Q7,8
EE PB
Q13,14 BUFFER
Q17 MIX
IC17 TEST SIG GEN
400Hz OSC
Q18,19 SW
DL4 270ns DELAY
IC1 (1/2)
AGC
SYNC AGC DET
LPF
MIX
LIMITER
CLAMP
B/W
Q3-6 NON LINEAR HPF
DL3 0.5 μS DELAY
IC9 PEAK AGC DET
IC10
APER-TURE COMP
DEEMPH
EXPAND
PHASE COMP
IC8
DEVIA-TION
PRE-EMPA-SIS
COMP-RESS
CLIP
RV3
Q31,32
LPF
RV16
DE EMP
LIMITER
PRE-EMPH
RV7
Q12
LPF
DEMO
IC2
PB 12V
1H DELAY
HPF
DROP OUT COMP
LIMITER
SW
EQ AMP
TP-5
HPF
PB 12V
RV1
RV2
Q2
Q5
VIDEO HEAD
A CH
B CH
LPF
MOD/DEM
IC1 (2/2)
HALF TRAP
REC 12V
Q7-10 Y REC AMP
Q11 CHROMA REC AMP
RF SW PULSE
BPF
RV12
Q24,25
LPF
Q39,40
IC2
Q26 PEAK DET
4.43 B.P.F.
MC
RV13
ACC LEVEL
ACC
COMV
DET
ACK DET
BURST GATE
IC4
DL1 COMP FILTER 2H DELAY
Q21,22
4.43MHz B P F
IC3
ID DET
BURST GATE
FF
EE 12V
90° SHIFT
45° SHIFT
90° SHIFT
IC14
IC15
IC11
ID DET
BURST GATE
F F
1H DL
DL 2
IC13 SYNCHRONOUS DETECT
LPF
Q44,45 MM
TRIG
MM
IC12 (1/2)
DUMMY V. D
IC12 (2/2)
ATT
IC19 (3/3)
BPF
IC6 (1/2)
COMV
VXO
X2
LPF
REACTANCE CIRCUIT
APC PHASE DET
Q33,34
OSC
X1
IC7
1/8
1/8+1/44
1/8-1/44
1/2
IC5 (2/2)
1/44
IC6 (2/2)
VCO
LPF
AFC DET
REG 12V
IC19 (2/3)
TRAPE/SHAPER
DIFFERENTIAL
IC5 (1/2)
SYNC SEP
HALF H.KILL
IC19 (1/3)
V SYNC SEP
IC16
COUNTER
SERVO REF
IC18
ATT
DELAY
Q41
PB H SYNC
Q1,2 SW
EE 12V
PB 12V
REG 12V

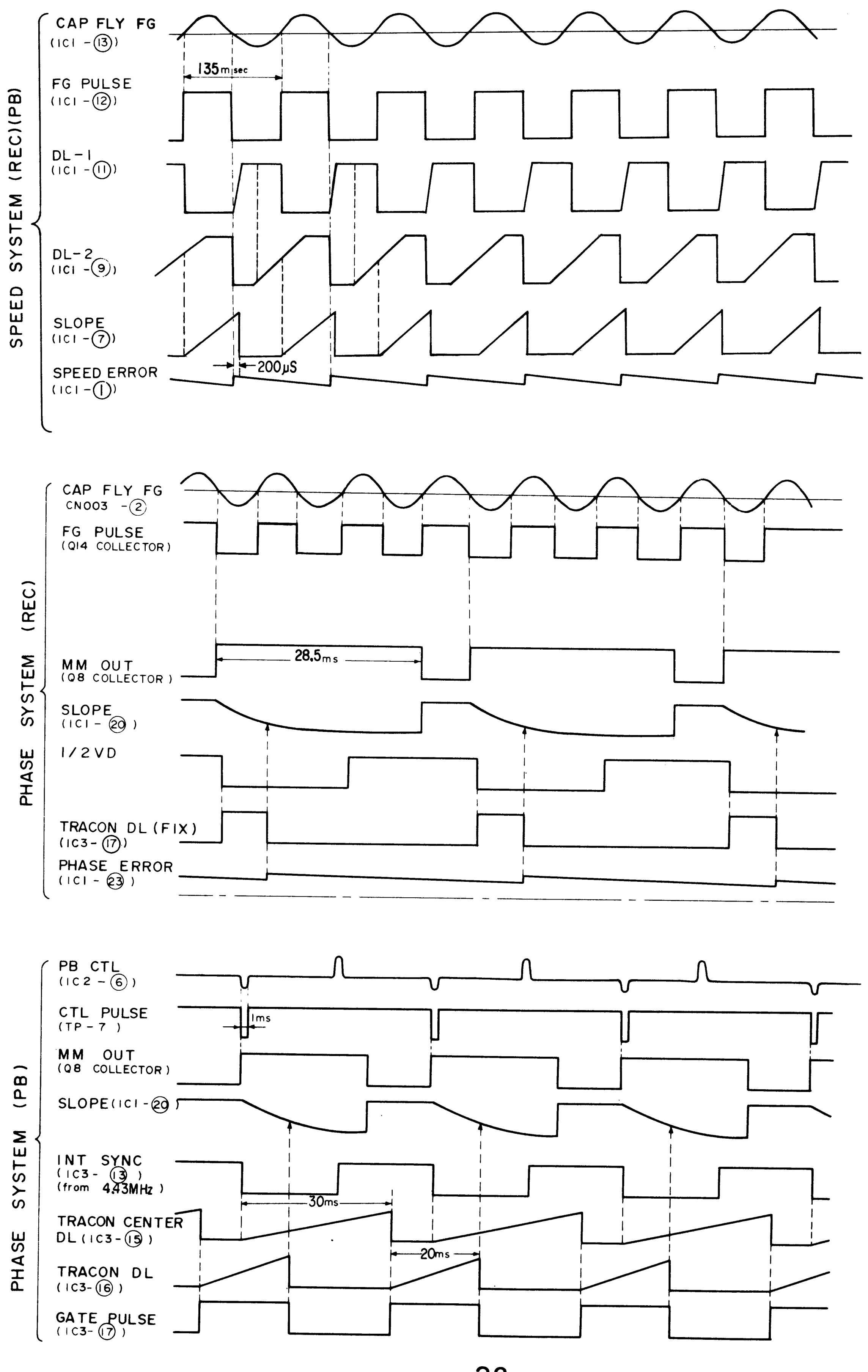
SERVO SYSTEM BLOCK DIAGRAM


DRUM SERVO SS-9 BOARD
RF SW PULSE
PG COIL
DRUM MOTOR ON
PGB RV6
PGA RV7
LOCK PHASE RV8
PG DET
F.F
SW PHASE DL - B
SW PHASE DL - A
LOCK PHASE
GATE PULSE
HOLD
GATE
SINGLE SEP
1/2 COUNT
M.M
SPEED M.M
GATE PULSE
STARTER
SLOPE
GATE
HOLD
IC3 CX186
TRACON M.M
TRACON CENTER M.M
C63, R117 SLOPE
RV9 DRUM FREE SPEED
R102
R103
C52
Q29, 30 ROTATION DET
Q28 DRUM MUTING
RV10
TRACON CENTER
Q17
PB12V
RV4 TRACON
REG12V
SERVO REFE SIG (FROM YC-18 BOARD)
DRUM ERROR
SS-9 BOARD
Q16
REC SIG
REC PAUSE
PINCH SIG
IC4 2/2 μPC4556C
Q32
INTEGRATOR
IC4 1/2 μPC4556C
INJECTION LOCK
Q33 D24
FF REW 12V
DRUM COMP
SS-9 BOARD
H. SYNC
SS-9 BOARD
REC P SIG
SERVO REF
Q1
REC/PB CTL HEAD
TP7
Q14, 15
IC2 TA7120P
CTL REC/PB AND CAPSTAN FLY AMP
CAPSTAN
CAPSTAN MOTOR
SS-9 BOARD
CAPSTAN SERVO
RV1
R14
C9
C7
CAPSTAN OFF
Q2
REC 12V
Q3
SPEED MULTI(1)
SPEED MULTI(2)
SLOPE
GATE
HOLD
GATE PULSE
STARTER
IC1 CX143A
Q10 CAPSTAN PHASE OUT
1/6
SINGLE SEP
GATE
HOLD
REG 12V
Q6
CAPSTAN FLY FG
Q7, 8 M, M
Q9 SLOPE
FF REW 12V
FF, REW 12V
Q18
Q19
C34
MODE CONTROL(MC)
PAUSE
SS-9 BOARD
MODE CONTROL

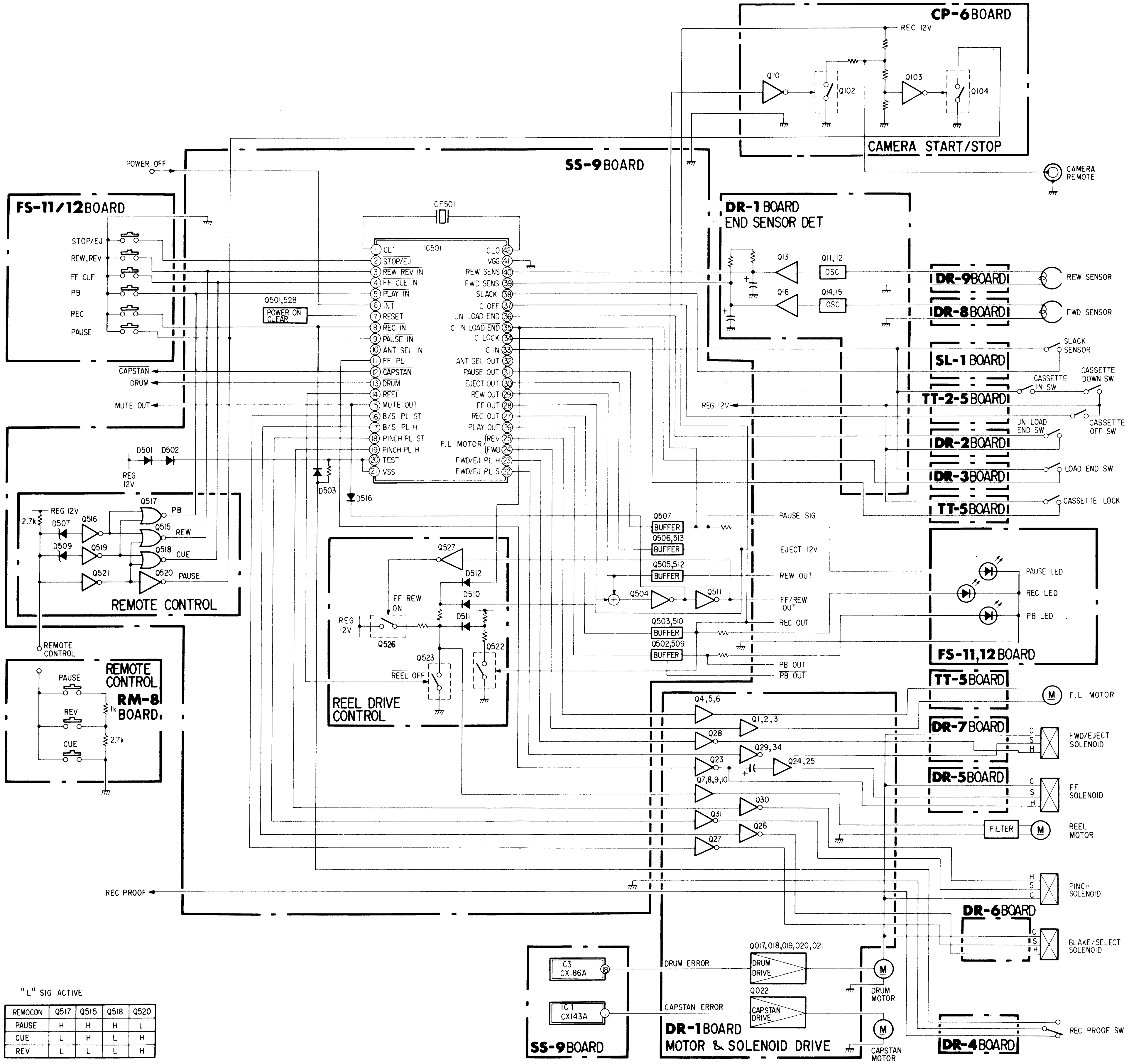
DRUM SERVO TIMING CHART


SPEED SYSTEM(REC)(PB)
(1) PG IN (IC3-①)
(2) FF OUT (IN IC)
11m sec
(3) MM (IC3-㉔) (Free speed Adj.)
(4) SLOPE (IC3-㉒) (GATED)
(5) SPEED ERROR (IC3-⑱)
PHASE SYSTEM (REC)
(6) VIDEO IN
(7) V-SYNC (IC3-⑫)
(8) ½VD (IC3-⑬)
(9) CTL REC CARRIER
(10) SLOPE (IC3-⑦) (GATED)
(2) FF OUT (IN IC)
(11) PG-B DL (IC3-②)
(11') DL-B
(12) PG-A DL (IC3-③)
(12') DL-A
(13) RF SW PULSE (TP-1)
3.75m sec
(14) LOCK PHASE MULT1 (IC3-⑤)
(15) GATE PULSE (IC3-⑥)
(16) PHASE ERROR (IC3-⑩)
PHASE SYSTEM(PB)
(17) INT SYNC (IC3-⑬) (from4.43MHz)
(18) SLOPE (IC3-⑦) (GATED)

CAPSTAN SERVO TIMING CHART


SPEED SYSTEM (REC)(PB)
CAP FLY FG (IC1-⑬)
135m sec
FG PULSE (IC1-⑫)
DL-1 (IC1-⑪)
DL-2 (IC1-⑨)
SLOPE (IC1-⑦)
200μS
SPEED ERROR (IC1-①)
PHASE SYSTEM (REC)
CAP FLY FG CN003-②
FG PULSE (Q14 COLLECTOR)
28.5ms
MM OUT (Q8 COLLECTOR)
SLOPE (IC1-⑳)
1/2VD
TRACON DL (FIX) (IC3-⑰)
PHASE ERROR (IC1-㉓)
PHASE SYSTEM (PB)
PB CTL (IC2-⑥)
CTL PULSE (TP-7)
1ms
MM OUT (Q8 COLLECTOR)
SLOPE(IC1-⑳)
INT SYNC (IC3-⑬) (from 4.43MHz)
30ms
TRACON CENTER DL (IC3-⑮)
20ms
TRACON DL (IC3-⑯)
GATE PULSE (IC3-⑰)

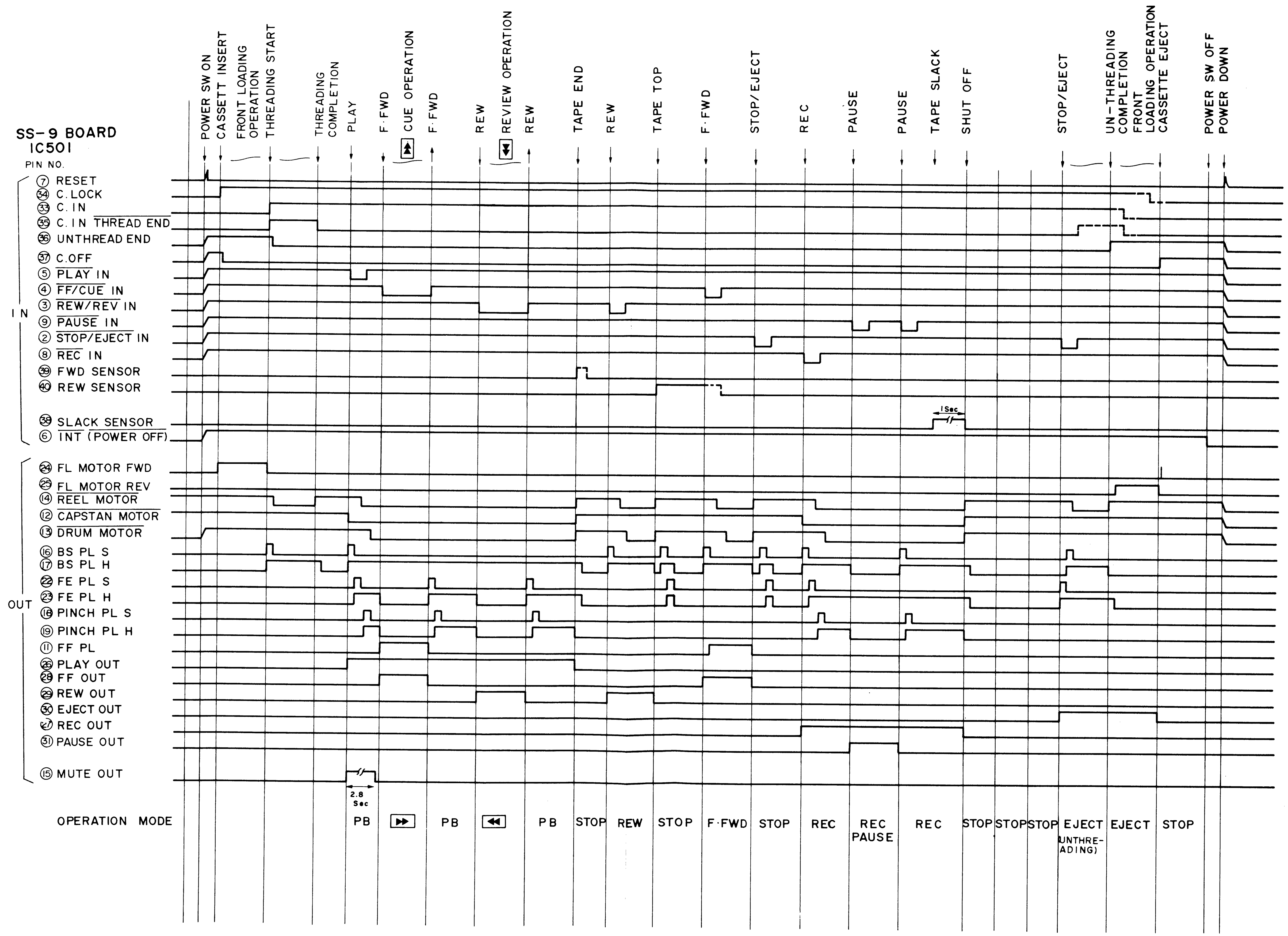
SYSTEM CONTROL BLOCK DIAGRAM


CP-6 BOARD
REC 12V
Q101
Q102
Q103
Q104
CAMERA START/STOP
CAMERA REMOTE
SS-9 BOARD
POWER OFF
FS-11/12 BOARD
STOP/EJ
REW,REV
FF CUE
PB
REC
PAUSE
CAPSTAN
DRUM
MUTE OUT
CF501
IC501
① CL1
② STOP/EJ
③ REW REV IN
④ FF CUE IN
⑤ PLAY IN
⑥ INT
⑦ RESET
⑧ REC IN
⑨ PAUSE IN
⑩ ANT SEL IN
⑪ FF PL
⑫ CAPSTAN
⑬ DRUM
⑭ REEL
⑮ MUTE OUT
⑯ B/S PL ST
⑰ B/S PL H
⑱ PINCH PL ST
⑲ PINCH PL H
⑳ TEST
㉑ VSS
CLO ㊷
VGG ㊶
REW SENS ㊵
FWD SENS ㊴
SLACK ㊳
C OFF ㊲
UN LOAD END ㊱
C IN LOAD END ㉟
C LOCK ㉞
C IN ㉝
ANT SEL OUT ㉜
PAUSE OUT ㉛
EJECT OUT ㉚
REW OUT ㉙
FF OUT ㉘
REC OUT ㉗
PLAY OUT ㉖
F.L MOTOR REV ㉕
FWD ㉔
FWD/EJ PL H ㉓
FWD/EJ PL S ㉒
Q501,528
POWER ON CLEAR
D501
D502
REG 12V
D503
D516
REG 12V
2.7k
D507
D509
Q516
Q517
Q515
Q519
Q518
Q521
Q520
PB
REW
CUE
PAUSE
REMOTE CONTROL
REMOTE CONTROL
PAUSE
REV
CUE
1k
2.7k
REMOTE CONTROL RM-8 BOARD
Q527
D512
D510
D511
FF REW ON
REG 12V
Q526
Q523
Q522
REEL OFF
REEL DRIVE CONTROL
DR-1 BOARD
END SENSOR DET
Q13
Q16
Q11,12
Q14,15
OSC
OSC
DR-9 BOARD
DR-8 BOARD
REW SENSOR
FWD SENSOR
SL-1 BOARD
SLACK SENSOR
TT-2-5 BOARD
CASSETTE IN SW
CASSETTE DOWN SW
REG 12V
DR-2 BOARD
UN LOAD END SW
CASSETTE OFF SW
DR-3 BOARD
LOAD END SW
TT-5 BOARD
CASSETTE LOCK
Q507
BUFFER
Q506,513
BUFFER
Q505,512
BUFFER
Q504
Q511
Q503,510
BUFFER
Q502,509
BUFFER
PAUSE SIG
EJECT 12V
REW OUT
FF/REW OUT
REC OUT
PB OUT
PB OUT
PAUSE LED
REC LED
PB LED
FS-11,12 BOARD
TT-5 BOARD
F.L MOTOR
Q4,5,6
Q1,2,3
Q28
Q29,34
Q23
Q24,25
Q7,8,9,10
Q30
Q31
Q26
Q27
DR-7 BOARD
FWD/EJECT SOLENOID
DR-5 BOARD
FF SOLENOID
C
S
H
FILTER
REEL MOTOR
PINCH SOLENOID
DR-6 BOARD
BLAKE/SELECT SOLENOID
REC PROOF
SS-9 BOARD
IC3 CX186A
IC1 CX143A
DRUM ERROR
CAPSTAN ERROR
Q017,018,019,020,021
DRUM DRIVE
Q022
CAPSTAN DRIVE
DR-1 BOARD
MOTOR & SOLENOID DRIVE
DRUM MOTOR
CAPSTAN MOTOR
DR-4 BOARD
REC PROOF SW

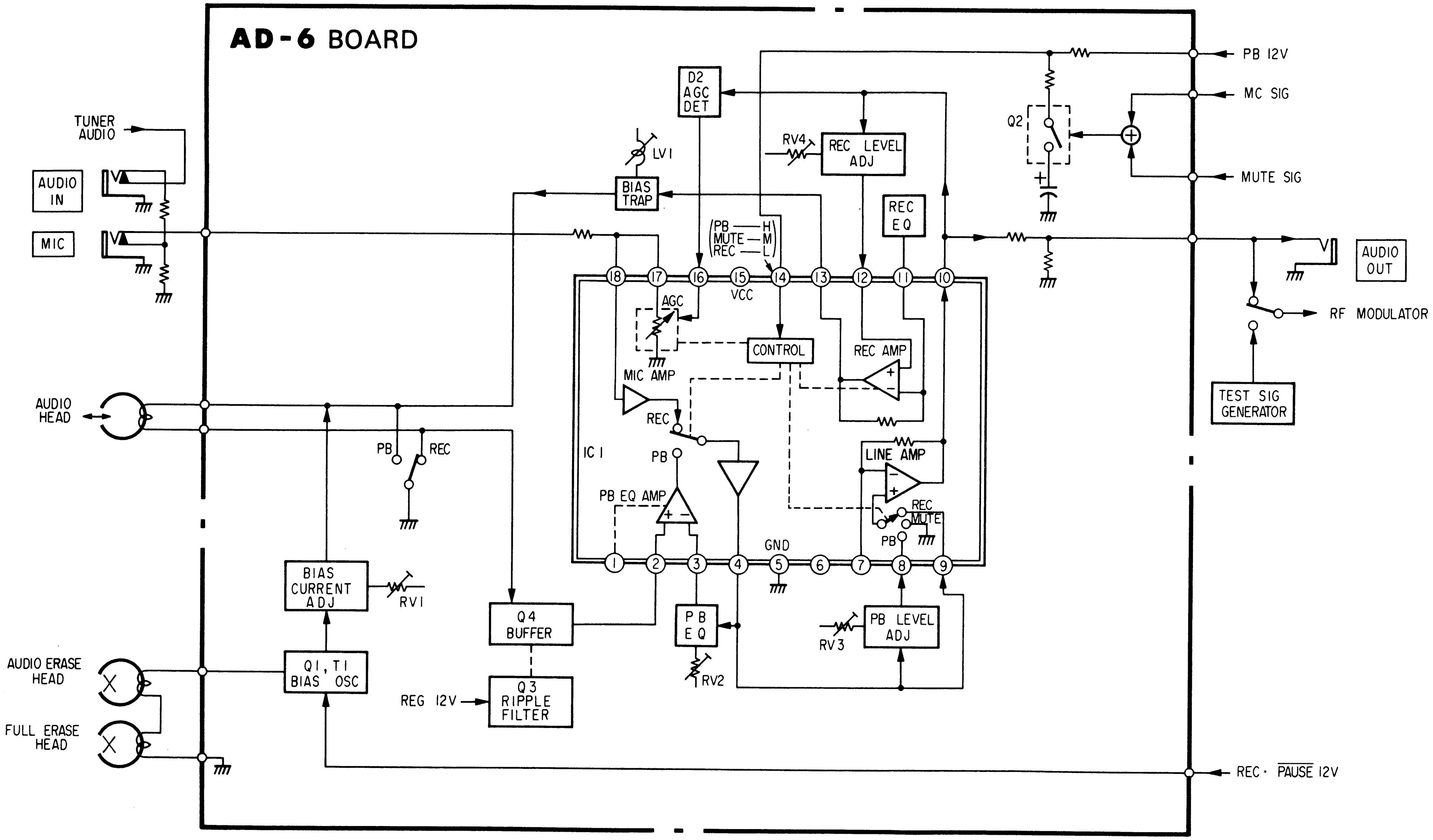
"L" SIG ACTIVE

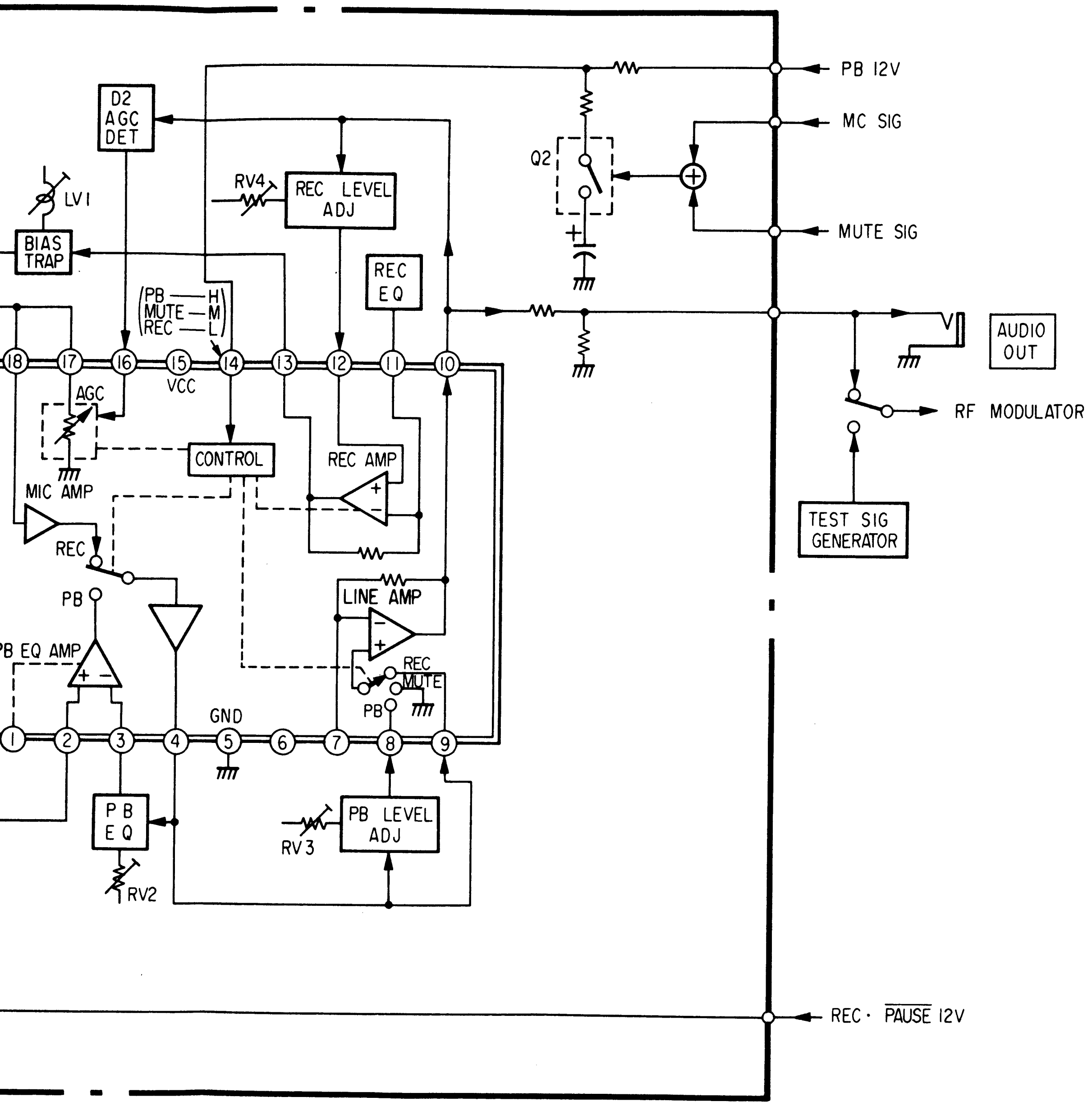
REMOCON	Q517	Q515	Q518	Q520
PAUSE	H	H	H	L
CUE	L	H	L	H
REV	L	L	L	H

SYSTEM CONTROL TIMING CHART


SS-9 BOARD
IC501
PIN NO.
IN
⑦ RESET
㉞ C.LOCK
㉝ C.IN
㉟ C.IN THREAD END
㊱ UNTHREAD END
㊲ C.OFF
⑤ PLAY IN
④ FF/CUE IN
③ REW/REV IN
⑨ PAUSE IN
② STOP/EJECT IN
⑧ REC IN
㊴ FWD SENSOR
㊵ REW SENSOR
㊳ SLACK SENSOR
⑥ INT (POWER OFF)
OUT
㉔ FL MOTOR FWD
㉕ FL MOTOR REV
⑭ REEL MOTOR
⑫ CAPSTAN MOTOR
⑬ DRUM MOTOR
⑯ BS PL S
⑰ BS PL H
㉒ FE PL S
㉓ FE PL H
⑱ PINCH PL S
⑲ PINCH PL H
⑪ FF PL
㉖ PLAY OUT
㉘ FF OUT
㉙ REW OUT
㉚ EJECT OUT
㉗ REC OUT
㉛ PAUSE OUT
⑮ MUTE OUT
POWER SW ON
CASSETT INSERT
FRONT LOADING OPERATION
THREADING START
THREADING COMPLETION
PLAY
F·FWD
▲ CUE OPERATION
F·FWD
REW
▼ REVIEW OPERATION
REW
TAPE END
REW
TAPE TOP
F·FWD
STOP/EJECT
REC
PAUSE
PAUSE
TAPE SLACK
SHUT OFF
STOP/EJECT
UN-THREADING COMPLETION
FRONT LOADING OPERATION
CASSETTE EJECT
POWER SW OFF
POWER DOWN
1Sec
2.8 Sec
OPERATION MODE
PB
▶▶
PB
◀◀
PB
STOP
REW
STOP
F·FWD
STOP
REC
REC PAUSE
REC
STOP
STOP
STOP
EJECT (UNTHREADING)
EJECT
STOP

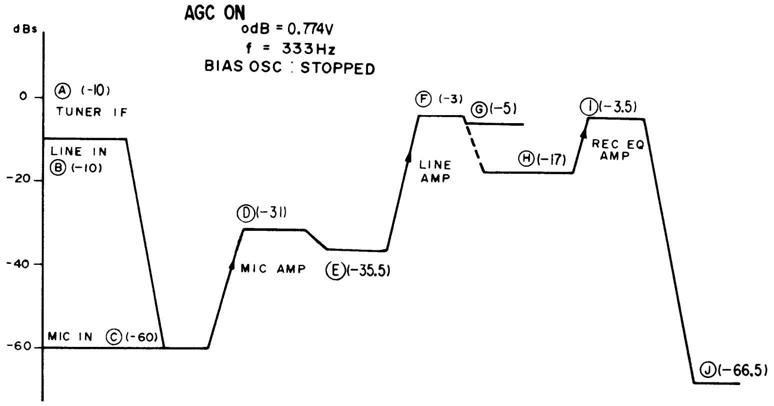
AUDIO BLOCK DIAGRAM

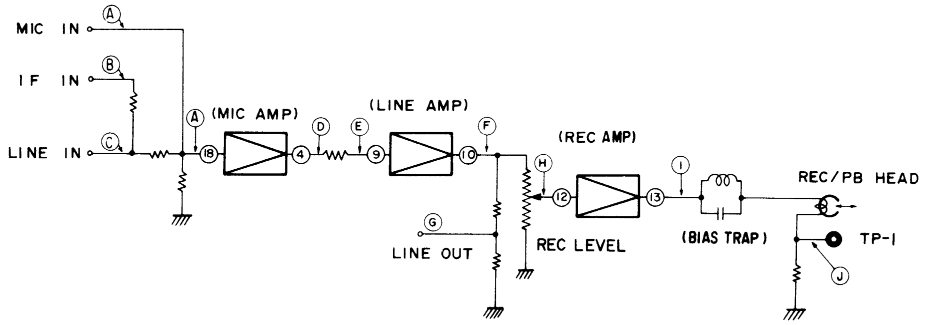

AD-6 BOARD
TUNER AUDIO
AUDIO IN
MIC
AUDIO HEAD
AUDIO ERASE HEAD
FULL ERASE HEAD
D2 AGC DET
LV1
BIAS TRAP
RV4
REC LEVEL ADJ
REC EQ
PB — H
MUTE — M
REC — L
VCC
AGC
CONTROL
REC AMP
MIC AMP
REC
PB
IC1
LINE AMP
PB EQ AMP
REC
MUTE
PB
GND
PB
REC
BIAS CURRENT ADJ
RV1
Q4 BUFFER
PB EQ
RV2
RV3
PB LEVEL ADJ
Q1, T1 BIAS OSC
Q3 RIPPLE FILTER
REG 12V
Q2
PB 12V
MC SIG
MUTE SIG
AUDIO OUT
RF MODULATOR
TEST SIG GENERATOR
REC · PAUSE 12V
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18


PB 12V
MC SIG
MUTE SIG
REC · PAUSE 12V
D2 AGC DET
RV4
REC LEVEL ADJ
LV1
BIAS TRAP
REC EQ
Q2
AUDIO OUT
RF MODULATOR
TEST SIG GENERATOR
PB — H
MUTE — M
REC — L
VCC
AGC
CONTROL
REC AMP
MIC AMP
REC
PB
LINE AMP
REC MUTE
PB EQ AMP
GND
PB EQ
RV2
RV3
PB LEVEL ADJ
18
17
16
15
14
13
12
11
10
1
2
3
4
5
6
7
8
9

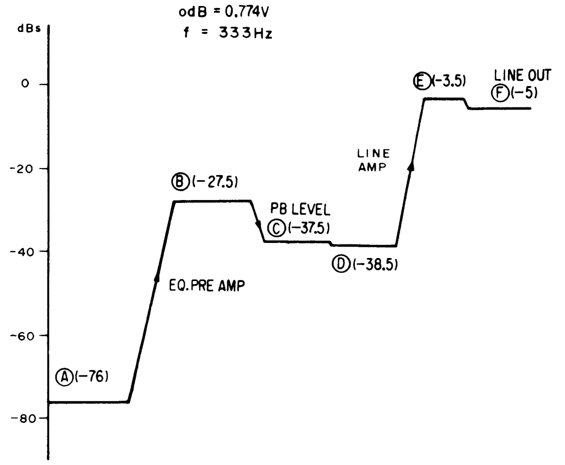
AUDIO LEVEL DIAGRAM

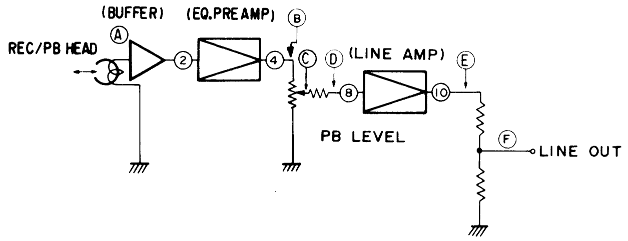
– REC MODE –



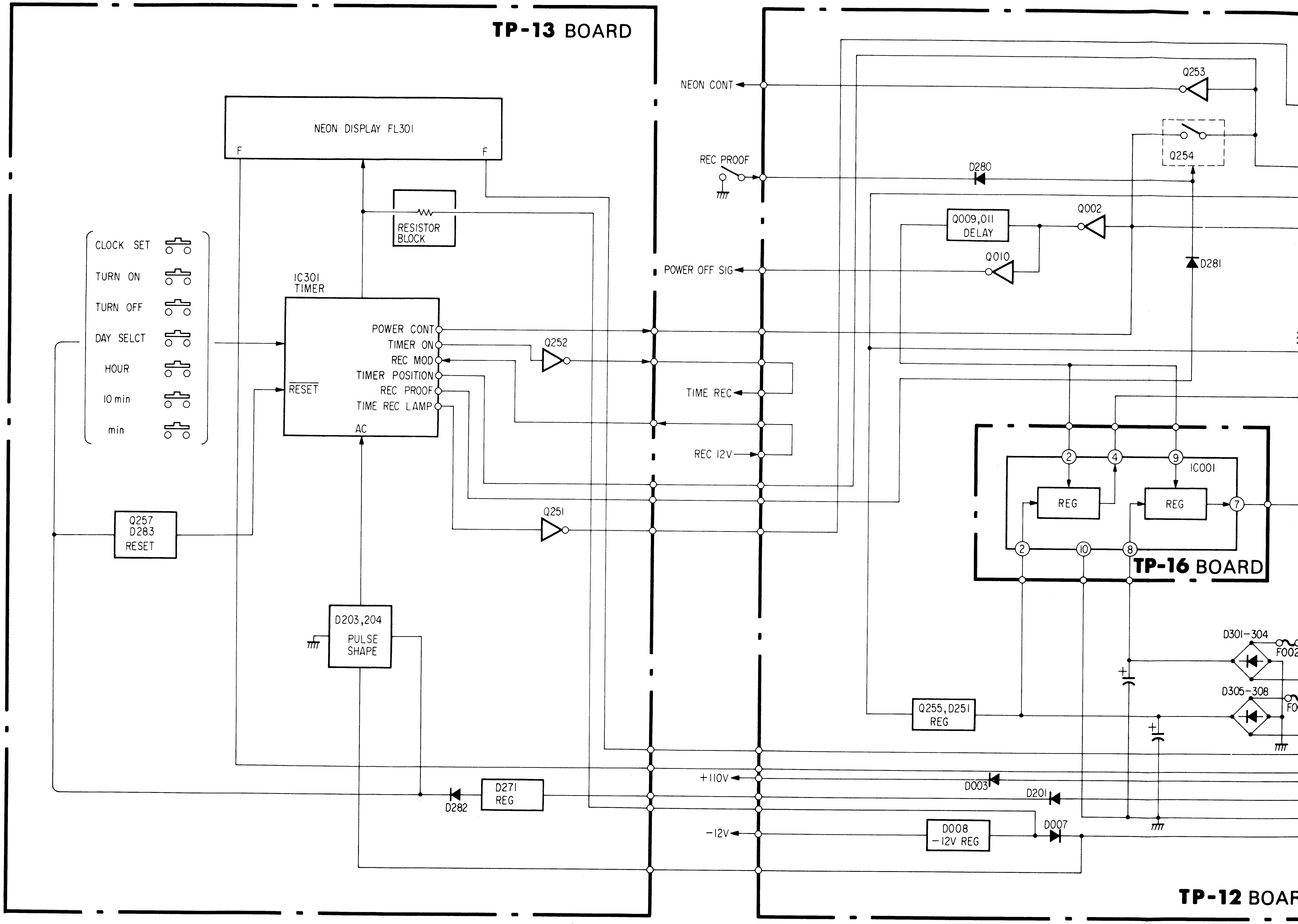

MIC IN
IF IN
LINE IN
Ⓐ
Ⓑ
Ⓒ
(MIC AMP)
(LINE AMP)
(REC AMP)
Ⓓ
Ⓔ
Ⓕ
Ⓖ
Ⓗ
Ⓘ
Ⓙ
18
4
9
10
12
13
LINE OUT
REC LEVEL
(BIAS TRAP)
REC/PB HEAD
TP-1

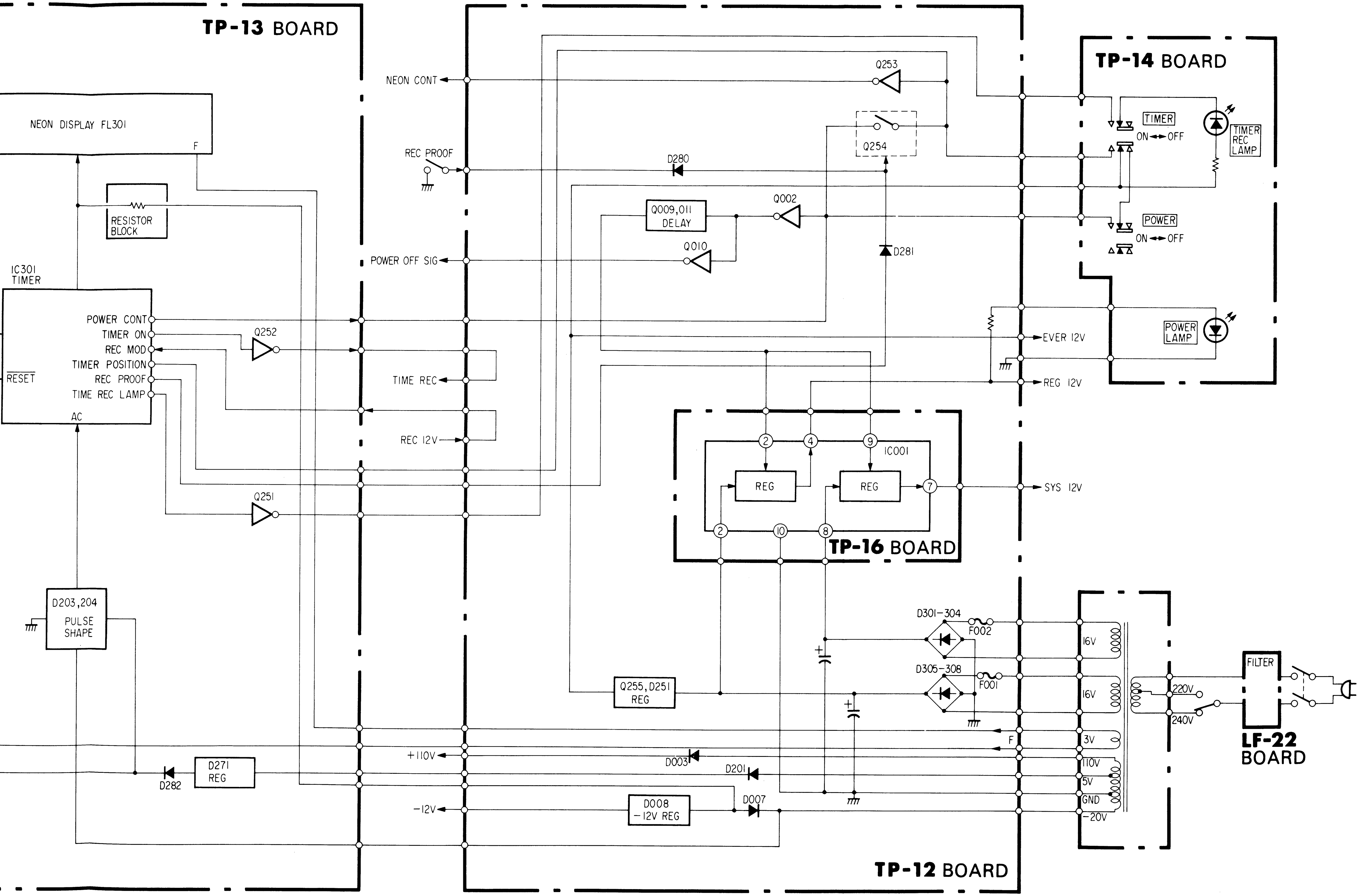
– PB MODE –



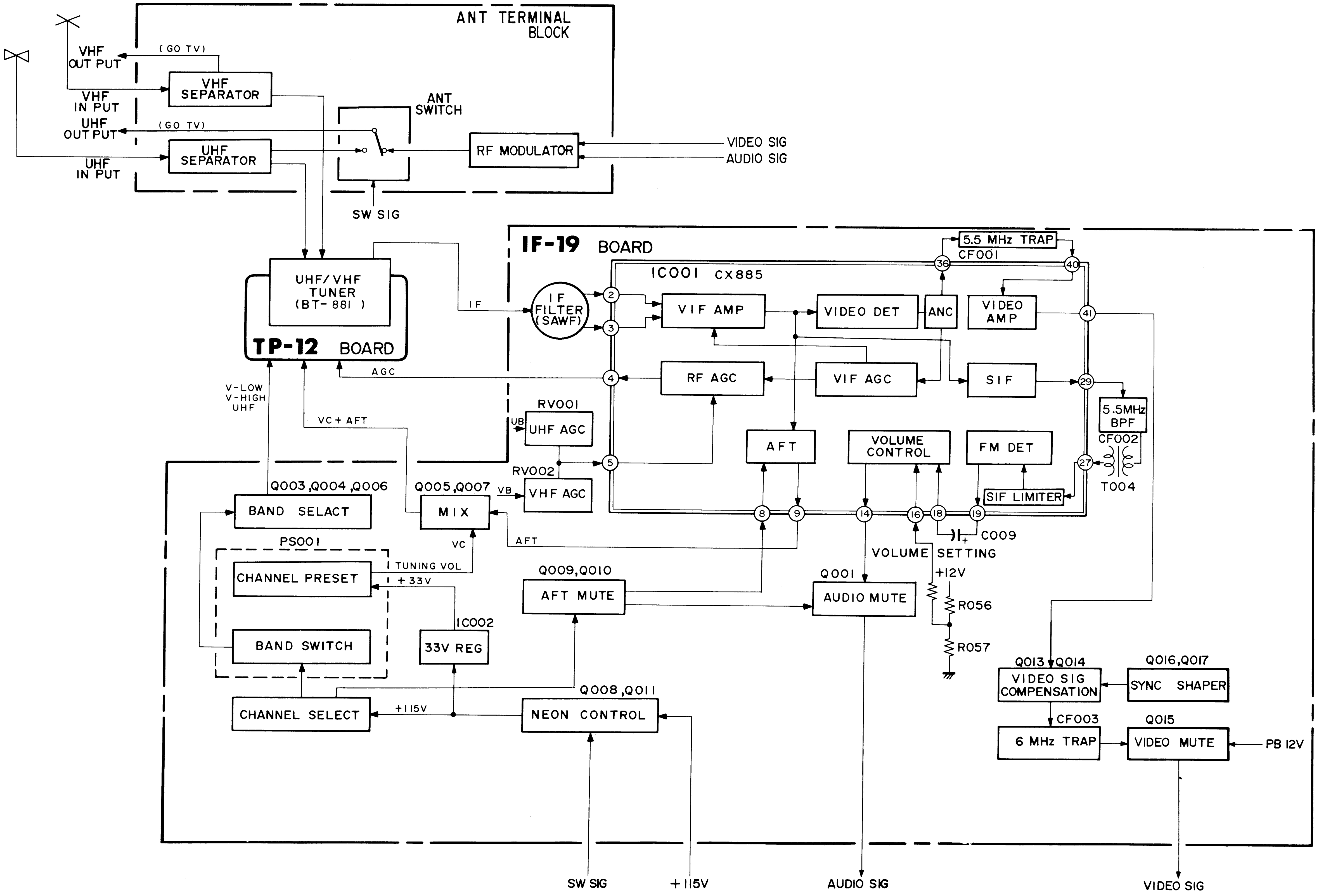

(BUFFER)
(EQ.PRE AMP)
REC/PB HEAD
Ⓐ
Ⓑ
Ⓒ
Ⓓ
Ⓔ
Ⓕ
(LINE AMP)
2
4
8
10
PB LEVEL
LINE OUT

TIMER & POWER SUPPLY BLOCK DIAGRAM


TP-13 BOARD
NEON DISPLAY FL301
F
F
RESISTOR BLOCK
CLOCK SET
TURN ON
TURN OFF
DAY SELCT
HOUR
10 min
min
IC301 TIMER
RESET
POWER CONT
TIMER ON
REC MOD
TIMER POSITION
REC PROOF
TIME REC LAMP
AC
Q252
Q251
Q257 D283 RESET
D203,204 PULSE SHAPE
D271 REG
D282
NEON CONT
REC PROOF
POWER OFF SIG
TIME REC
REC 12V
+110V
-12V
Q253
Q254
D280
Q009,011 DELAY
Q002
Q010
D281
IC001
REG
REG
TP-16 BOARD
D301-304
F002
D305-308
Q255,D251 REG
D003
D201
D007
D008 -12V REG
TP-12 BOAR

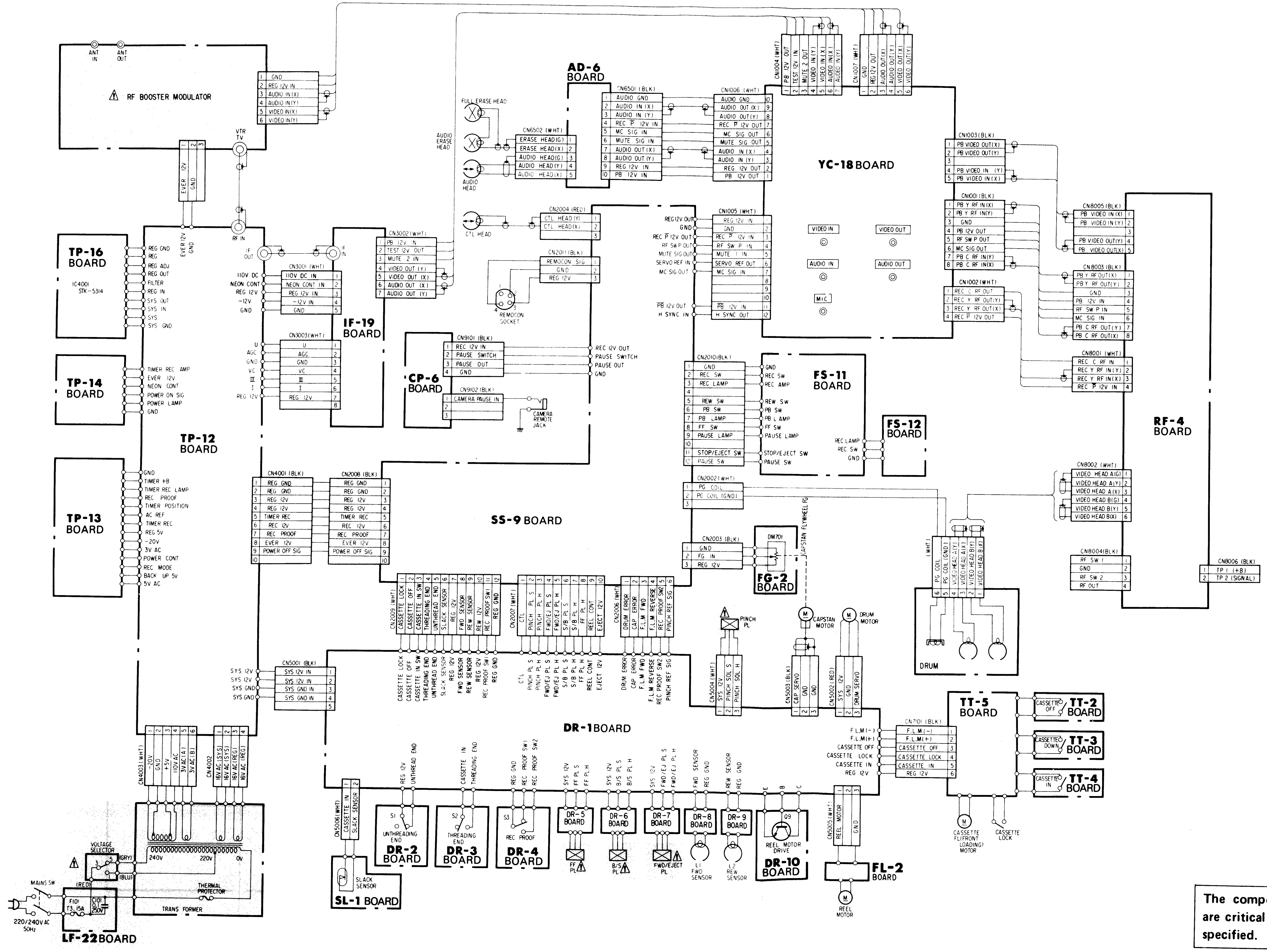

TP-13 BOARD
NEON DISPLAY FL301
F
RESISTOR BLOCK
IC301 TIMER
POWER CONT
TIMER ON
REC MOD
TIMER POSITION
RESET
REC PROOF
TIME REC LAMP
AC
Q252
Q251
D203,204 PULSE SHAPE
D282
D271 REG
NEON CONT
REC PROOF
POWER OFF SIG
TIME REC
REC 12V
+110V
−12V
Q253
Q254
D280
Q002
Q009,011 DELAY
Q010
D281
TP-14 BOARD
TIMER
ON↔OFF
TIMER REC LAMP
POWER
ON↔OFF
POWER LAMP
EVER 12V
REG 12V
SYS 12V
IC001
REG
REG
2
4
9
7
2
10
8
TP-16 BOARD
D301-304
F002
D305-308
F001
Q255,D251 REG
D003
D201
D008 −12V REG
D007
F
16V
16V
3V
110V
5V
GND
−20V
220V
240V
FILTER
LF-22 BOARD
TP-12 BOARD

TUNER IF BLOCK DIAGRAM


ANT TERMINAL BLOCK
VHF OUT PUT
(GO TV)
VHF SEPARATOR
VHF IN PUT
UHF OUT PUT
(GO TV)
ANT SWITCH
UHF SEPARATOR
UHF IN PUT
RF MODULATOR
VIDEO SIG
AUDIO SIG
SW SIG
IF-19 BOARD
5.5 MHz TRAP
CF001
IC001 CX885
UHF/VHF TUNER (BT-881)
TP-12 BOARD
IF
IF FILTER (SAWF)
2
3
36
40
VIF AMP
VIDEO DET
ANC
VIDEO AMP
41
4
RF AGC
VIF AGC
SIF
29
AGC
V-LOW
V-HIGH
UHF
VC+AFT
RV001
UB
UHF AGC
5.5MHz BPF
CF002
AFT
VOLUME CONTROL
FM DET
RV002
5
27
T004
SIF LIMITER
Q003,Q004,Q006
Q005,Q007
VB
VHF AGC
8
9
14
16
18
19
BAND SELACT
MIX
C009
AFT
PS001
VC
VOLUME SETTING
TUNING VOL
CHANNEL PRESET
+33V
Q009,Q010
AFT MUTE
Q001
AUDIO MUTE
+12V
R056
IC002
R057
BAND SWITCH
33V REG
Q013 Q014
Q016,Q017
VIDEO SIG COMPENSATION
SYNC SHAPER
Q008,Q011
CF003
Q015
CHANNEL SELECT
+115V
NEON CONTROL
6 MHz TRAP
VIDEO MUTE
PB 12V
SW SIG
+115V
AUDIO SIG
VIDEO SIG

SECTION 4
DIAGRAMS

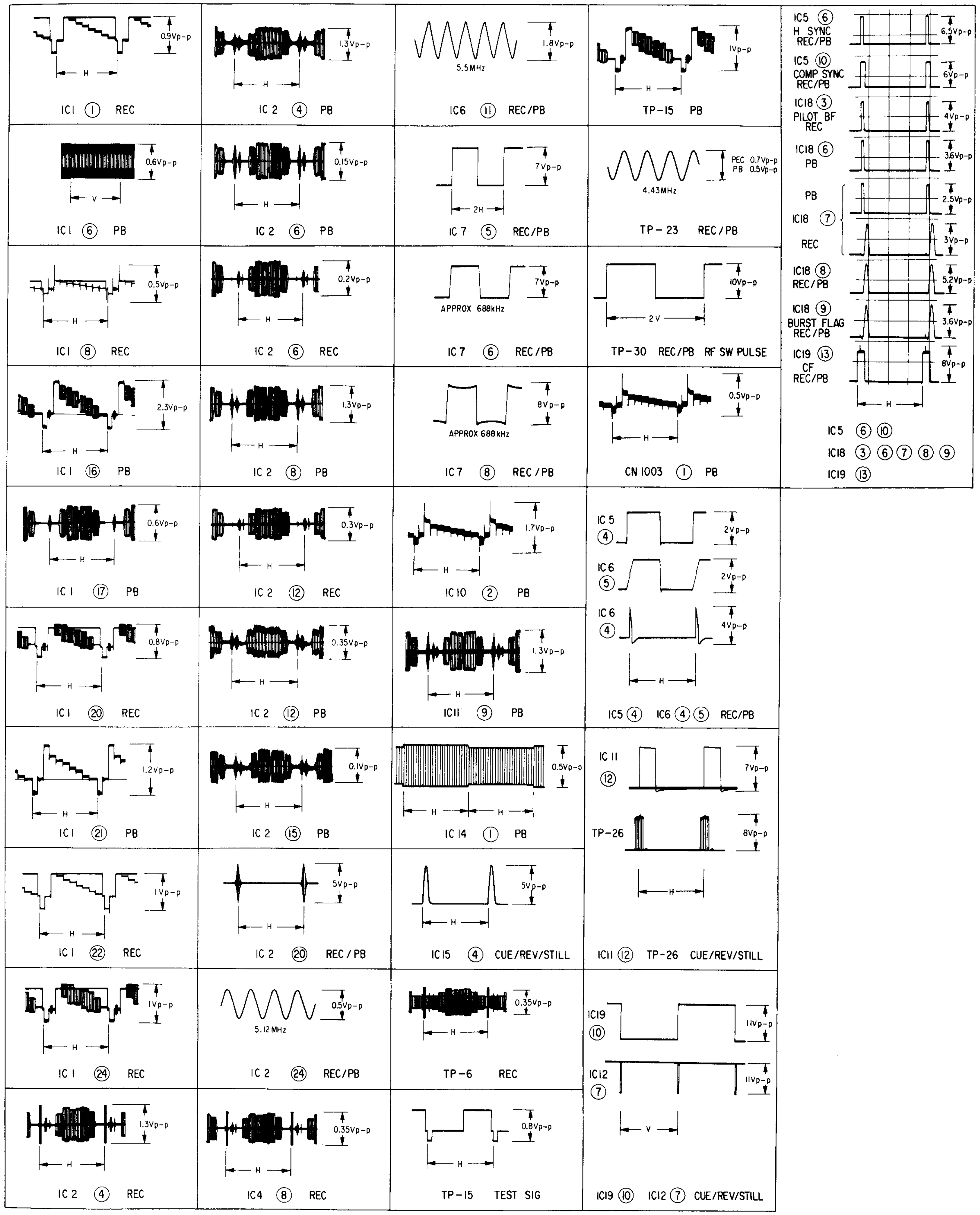
FRAME SCHEMATIC DIAGRAM


RF BOOSTER MODULATOR
ANT IN
ANT OUT
VTR TV
RF IN
IF OUT
TP-16 BOARD
IC4001 STK-5314
TP-14 BOARD
TP-13 BOARD
TP-12 BOARD
IF-19 BOARD
AD-6 BOARD
FULL ERASE HEAD
AUDIO ERASE HEAD
AUDIO HEAD
CTL HEAD
REMOCON SOCKET
CP-6 BOARD
CAMERA REMOTE JACK
YC-18 BOARD
VIDEO IN
VIDEO OUT
AUDIO IN
AUDIO OUT
MIC
RF-4 BOARD
FS-11 BOARD
FS-12 BOARD
SS-9 BOARD
FG-2 BOARD
DM701
CAPSTAN FLYWHEEL FG
PINCH PL
CAPSTAN MOTOR
DRUM MOTOR
DRUM
DR-1 BOARD
TT-5 BOARD
TT-2 BOARD
TT-3 BOARD
TT-4 BOARD
CASSETTE FL(FRONT LOADING) MOTOR
CASSETTE LOCK
SLACK SENSOR
SL-1 BOARD
UNTHREADING END
DR-2 BOARD
THREADING END
DR-3 BOARD
REC PROOF
DR-4 BOARD
DR-5 BOARD
DR-6 BOARD
DR-7 BOARD
DR-8 BOARD
DR-9 BOARD
FWD SENSOR
REW SENSOR
REEL MOTOR DRIVE
DR-10 BOARD
FL-2 BOARD
REEL MOTOR
VOLTAGE SELECTOR
MAINS SW
220/240V AC 50Hz
THERMAL PROTECTOR
TRANS FORMER
LF-22 BOARD

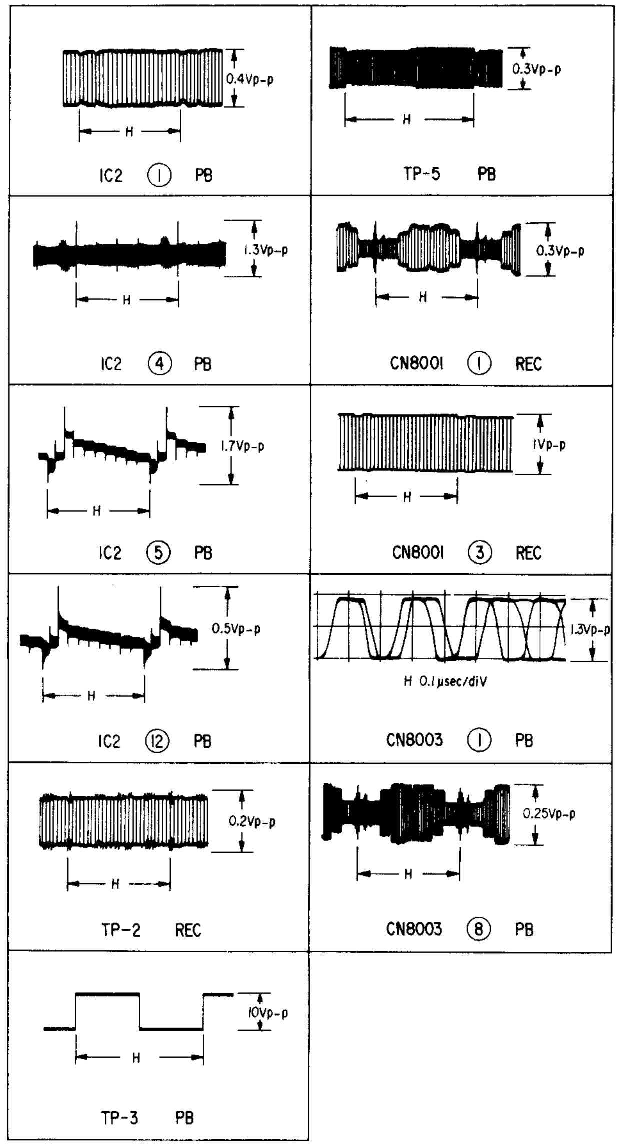
The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

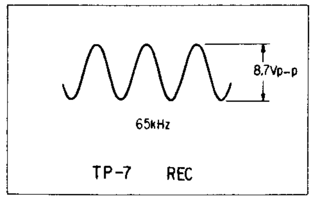
YC-18 BOARD



RF-4 BOARD



AD-6 BOARD



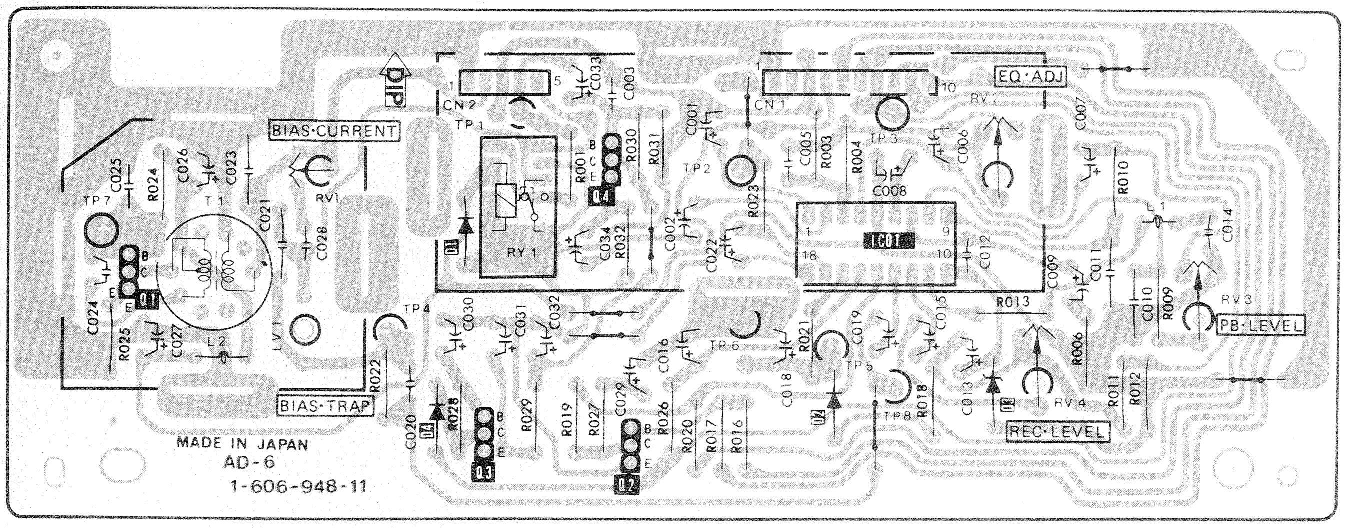
When indicating parts by reference number, please include the board name.

YC-18 (Y & CHROMA SIGNALS RECORD/PLAYBACK PROCESS, SERVO REFERENCE, SIGNAL GEN, HIGH SPEED GEN), AD-6 (AUDIO RECORD/PLAYBACK), RF-4 (DOWN-CONVERTED CHROMA & Y-FM SIGNALS, RECORD/PLAYBACK AMP) MOUNTIN

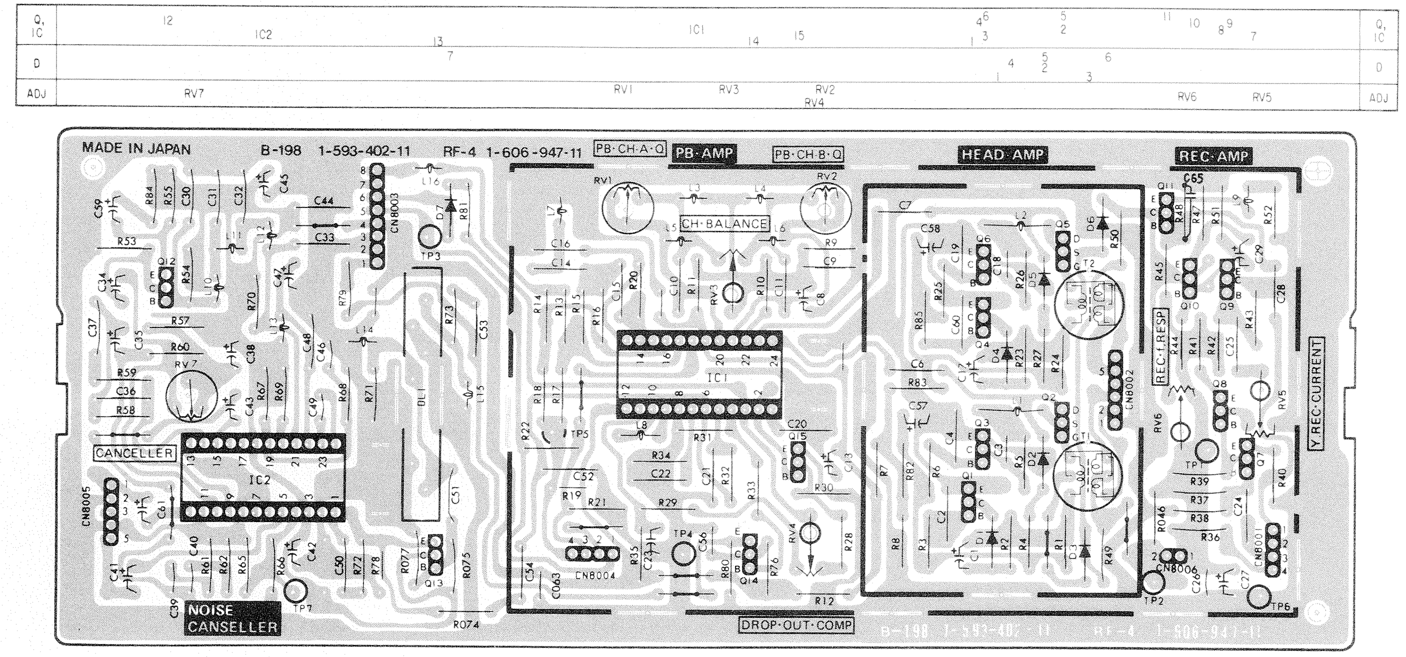
– Ref. No. YC-18 BOARD : 1000 series, AD-6 BOARD : 6500 series, RF-4 BOARD : 8000 series –

– Conductor Side –

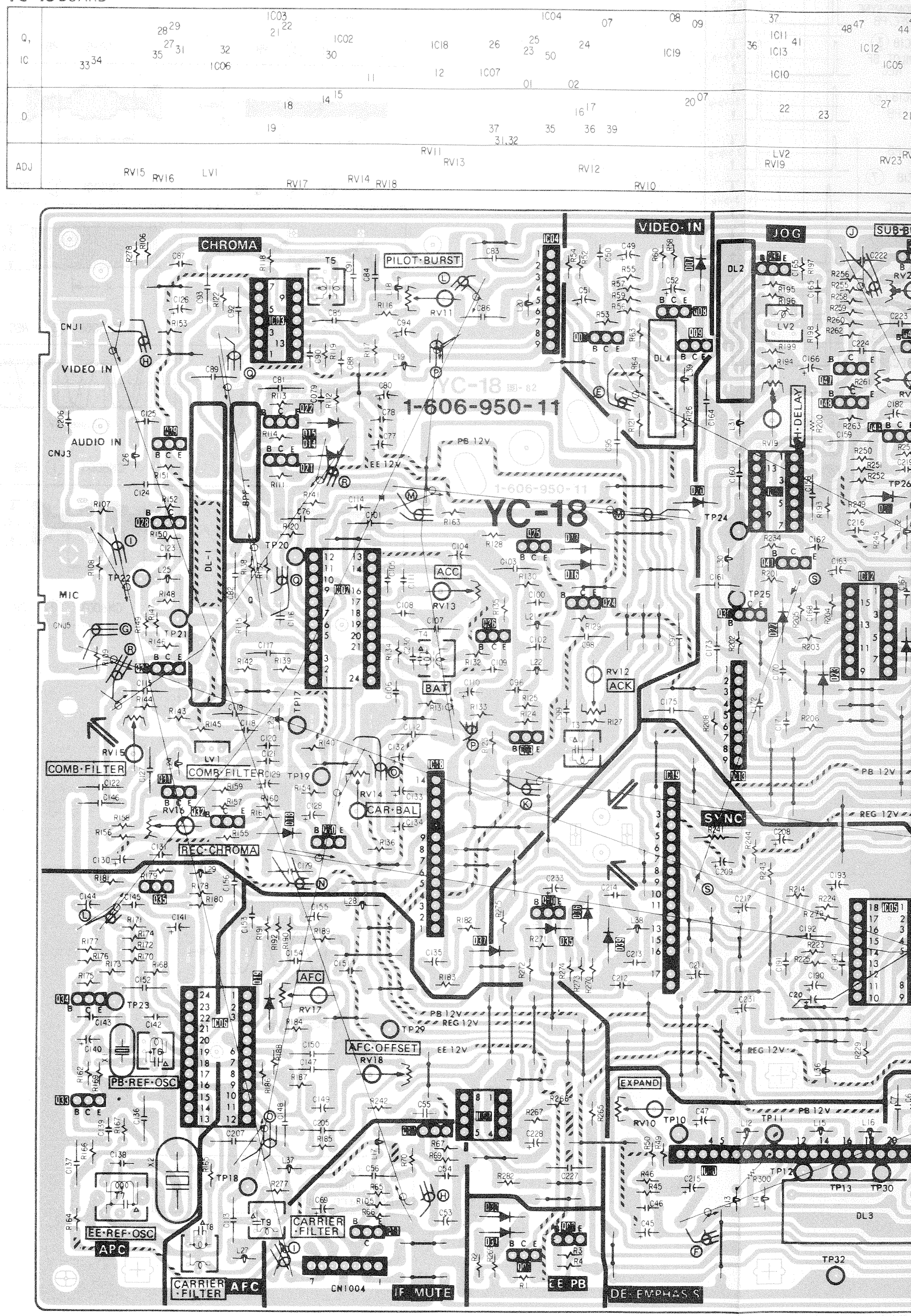
AD-6 BOARD


DIP
BIAS·CURRENT
BIAS·TRAP
EQ·ADJ
PB·LEVEL
REC·LEVEL
MADE IN JAPAN
AD-6
1-606-948-11

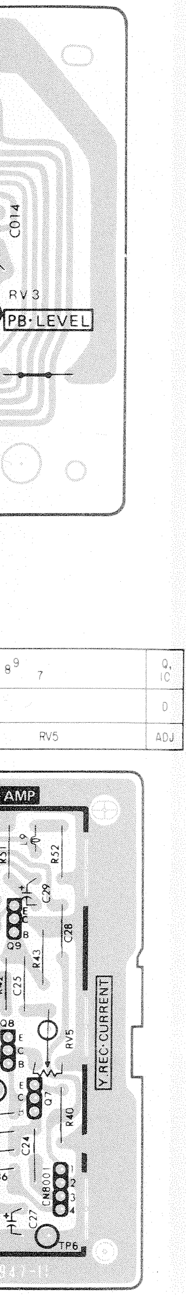
RF-4 BOARD


MADE IN JAPAN
B-198 1-593-402-11
RF-4 1-606-947-11
PB·CH·A·Q
PB·AMP
PB·CH·B·Q
CH·BALANCE
HEAD AMP
REC·AMP
REC·I·RESP
Y·REC·CURRENT
CANCELLER
NOISE CANSELLER
DROP·OUT·COMP

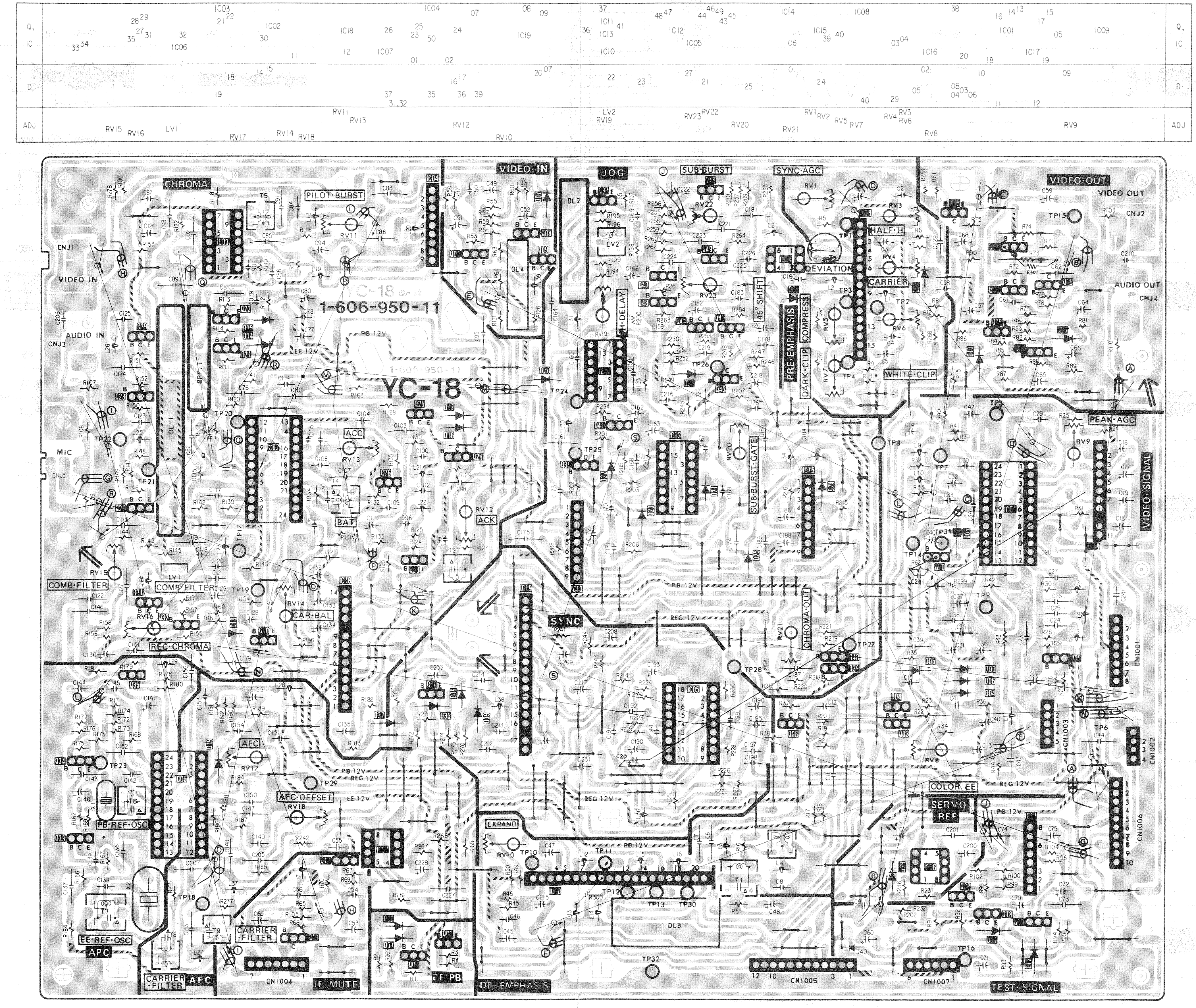
YC-18 BOARD


CHROMA
PILOT·BURST
VIDEO·IN
JOG
YC-18
1-606-950-11
VIDEO IN
AUDIO IN
MIC
H·DELAY
COMB·FILTER
REC·CHROMA
CAR·BAL
ACC
BAT
ACK
SYNC
AFC
AFC·OFFSET
PB·REF·OSC
EE·REF·OSC
APC
CARRIER·FILTER
IF MUTE
EE PB
DE·EMPHASIS
EXPAND

HIGH SPEED GEN), AD-6 (AUDIO RECORD/PLAYBACK), RF-4 (DOWN-CONVERTED CHROMA & Y-FM SIGNALS, RECORD/PLAYBACK AMP) MOUNTING DIAGRAMS

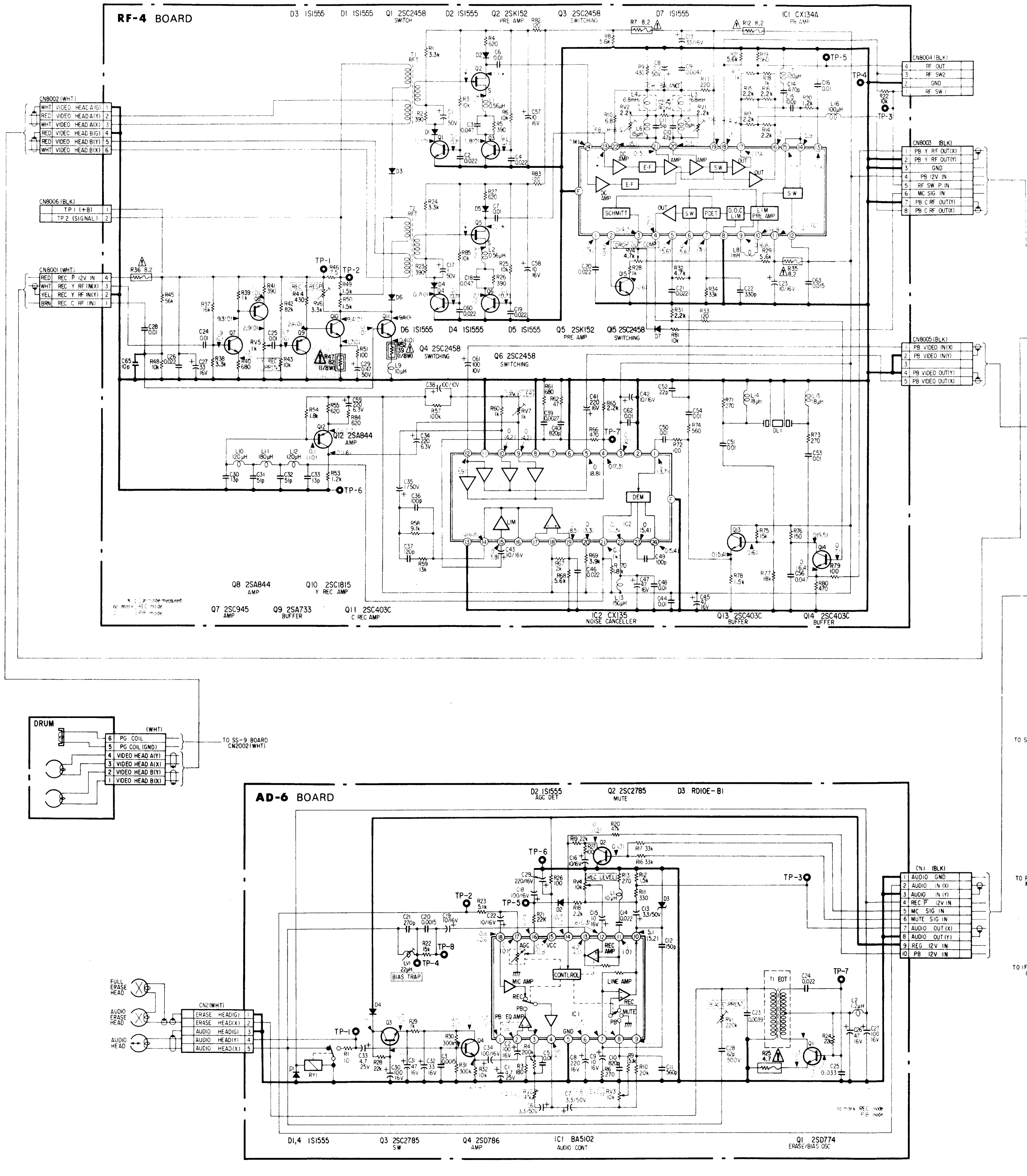

C014
RV3
PB-LEVEL
Q
IC
D
ADJ
RV5
AMP
R52
C29
C28
Q9
R43
RV5
Y REC CURRENT
Q7
R40
C24
CN8001
C27
TP6

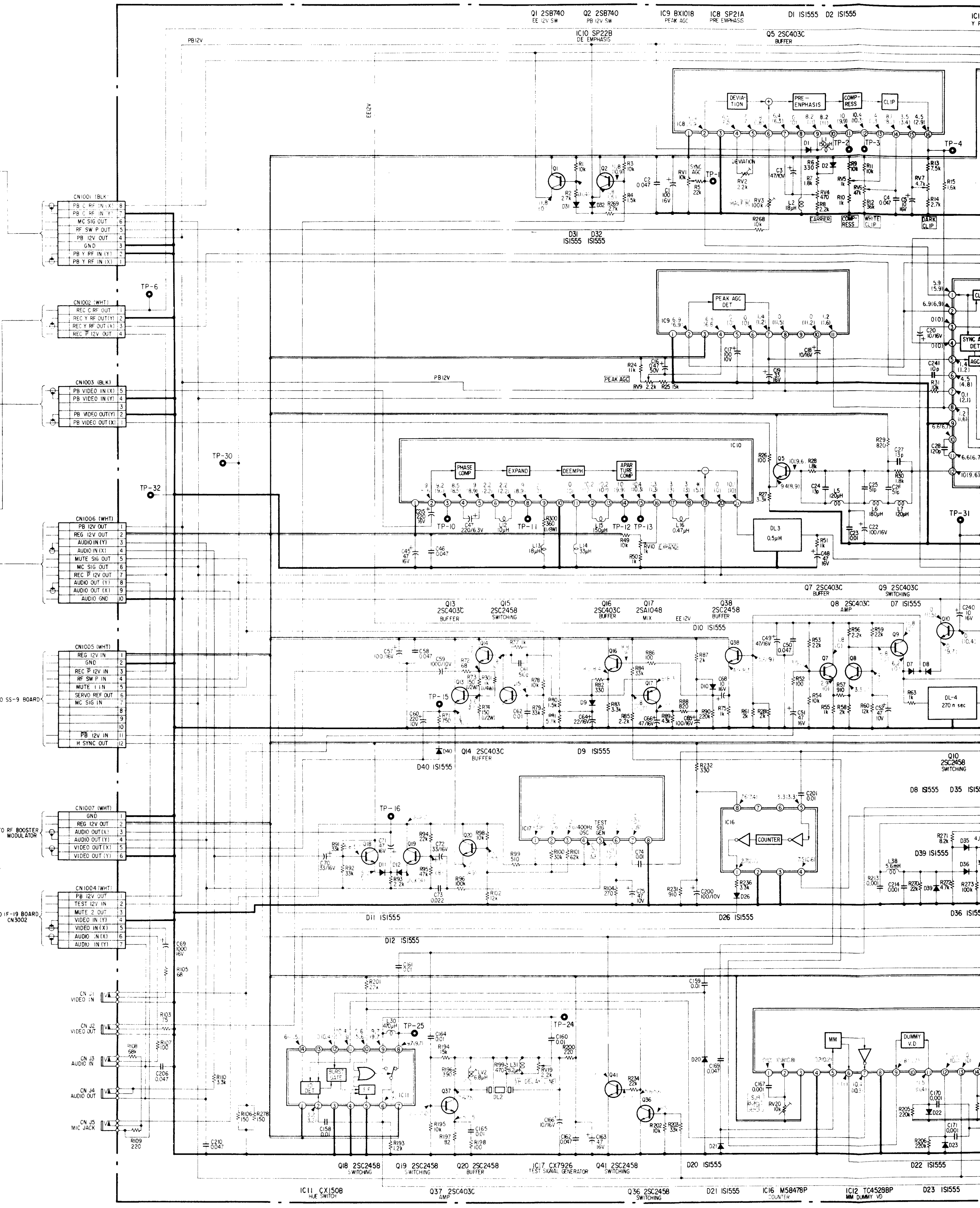
YC-18 BOARD


Q, IC
D
ADJ
VIDEO · IN
JOG
SUB-BURST
SYNC·AGC
VIDEO · OUT
VIDEO OUT
CNJ2
AUDIO OUT
CNJ4
CHROMA
PILOT·BURST
CNJ1
VIDEO IN
AUDIO IN
CNJ3
MIC
CN05
1-606-950-11
YC-18
HALF·H
DEVIATION
CARRIER
45° SHIFT
H-DELAY
PRE-EMPHASIS
COMPRESS
DARK·CLIP
WHITE·CLIP
PEAK·AGC
ACC
BAT
ACK
SUB-BURST·GATE
CHROMA·OUT
VIDEO·SIGNAL
COMB·FILTER
CAR·BAL
REC·CHROMA
SYNC
AFC
AFC·OFFSET
PB·REF·OSC
EE·REF·OSC
APC
CARRIER ·FILTER
AFC
IF MUTE
EE PB
DE-EMPHASIS
EXPAND
COLOR EE
SERVO REF
TEST SIGNAL
CN1001
CN1002
CN1003
CN1004
CN1005
CN1006
CN1007
DL1
DL2
DL3
DL4
PB 12V
EE 12V
REG 12V

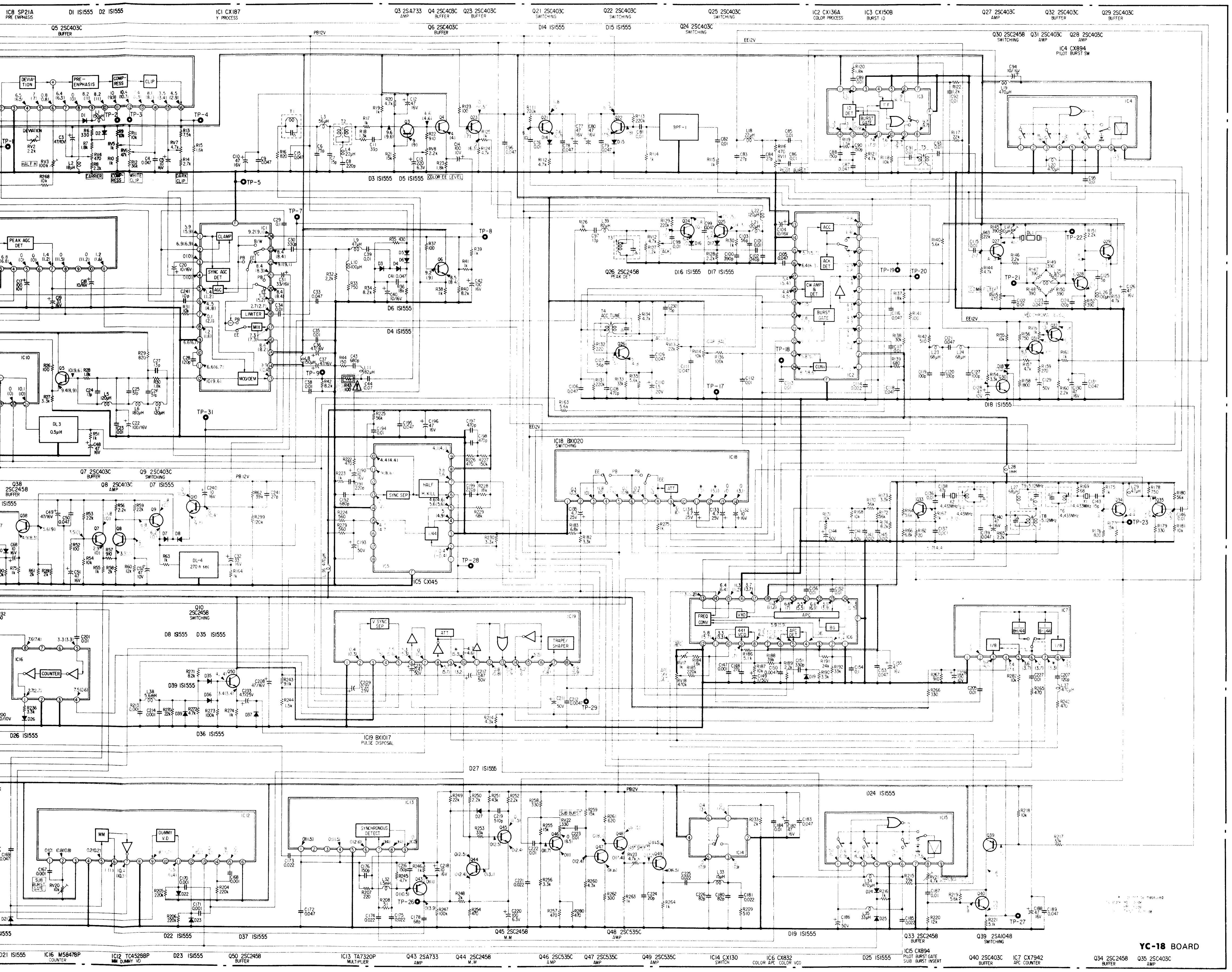
YC-18 (Y & CHROMA SIGNALS RECORD/PLAYBACK PROCESS, SERVO REFERENCE, SIGNAL GEN, HIGH SPEED GEN), AD-6 (AUDIO RECORD/PLAYBACK AMP), RF-4 (DOWN-CONVERTED CHROMA & Y-FM SIGNALS, RECORD/PLAYBAC

– Ref. No. YC-18 BOARD : 1000 series, AD-6 BOARD : 6500 series, RF-4 BOARD : 8000 series –


RF-4 BOARD
DRUM
PG COIL
PG COIL (GND)
VIDEO HEAD A(Y)
VIDEO HEAD A(X)
VIDEO HEAD B(Y)
VIDEO HEAD B(X)
TO SS-9 BOARD CN2002 (WHT)
AD-6 BOARD
FULL ERASE HEAD
AUDIO ERASE HEAD
AUDIO HEAD
IC1 CX134A
IC2 CX135 NOISE CANCELLER
IC1 BA5102 AUDIO CONT
Q1 2SD774 ERASE/BIAS OSC


TO SS-9 BOARD
TO RF BOOSTER MODULATOR
TO IF-19 BOARD CN3002
CN J1 VIDEO IN
CN J2 VIDEO OUT
CN J3 AUDIO IN
CN J4 AUDIO OUT
CN J5 MIC JACK
IC9 BX1018 PEAK AGC
IC8 SP21A PRE EMPHASIS
IC10 SP22B DE EMPHASIS
IC11 CX150B HUE SWITCH
IC16 M5847BP COUNTER
IC12 TC4528BP DUMMY VD
IC17 CX7926 TEST SIGNAL GENERATOR

-FM SIGNALS, RECORD/PLAYBACK AMP) BOARDS SCHEMATIC DIAGRAM


IC8 SP21A PRE EMPHASIS
D1 1S1555 D2 1S1555
Q5 2SC403C BUFFER
IC1 CX187 Y PROCESS
Q3 2SA733 AMP
Q4 2SC403C BUFFER
Q23 2SC403C BUFFER
Q6 2SC403C BUFFER
Q21 2SC403C SWITCHING
Q22 2SC403C SWITCHING
D14 1S1555
D15 1S1555
Q25 2SC403C SWITCHING
Q24 2SC403C SWITCHING
IC2 CX136A COLOR PROCESS
IC3 CX150B BURST ID
Q27 2SC403C AMP
Q32 2SC403C BUFFER
Q29 2SC403C BUFFER
Q30 2SC2458 SWITCHING
Q31 2SC403C AMP
Q28 2SC403C AMP
IC4 CX894 PILOT BURST SW
DEVIATION
PRE-EMPHASIS
COMP-RESS
CLIP
TP-1
TP-2
TP-3
TP-4
TP-5
TP-7
TP-8
TP-9
HALF H
CARRIER
COMP-RESS
WHITE CLIP
DARK CLIP
D3 1S1555 D5 1S1555
COLOR EE LEVEL
BPF-1
PILOT BURST
PEAK AGC DET
CLAMP
SYNC AGC DET
AGC
LIMITER
MIX
MOD/DEM
D6 1S1555
D4 1S1555
IC10
DL 3 0.5μH
TP-31
Q26 2SC2458 PEAK DET
D16 1S1555 D17 1S1555
ACC TUNE
ACC
ACK DET
CW AMP DET
BURST GATE
CONV
TP-17
TP-18
TP-19
TP-20
TP-21
TP-22
D18 1S1555
IC18 BX1020 SWITCHING
ATT
SYNC SEP
HALF H KILL
1/44
TP-28
IC5 CX145
Q7 2SC403C BUFFER
Q9 2SC403C SWITCHING
Q38 2SC2458 BUFFER
Q8 2SC403C AMP
D7 1S1555
DL-4 270 n sec
L28 1mH
TP-23
Q10 2SC2458 SWITCHING
D8 1S1555 D35 1S1555
IC16
COUNTER
Y SYNC SEP
TRAPE/SHAPER
D39 1S1555
TP-29
D26 1S1555
D36 1S1555
IC19 BX1017 PULSE DISPOSAL
FREQ CONV
APC
IC6
IC7
D27 1S1555
IC12
MM
DUMMY V.D.
IC13
SYNCHRONOUS DETECT
SUB BURST
TP-26
D24 1S1555
IC14
IC15
TP-27
D22 1S1555
D37 1S1555
Q45 2SC2458 M.M
Q48 2SC535C AMP
D19 1S1555
Q33 2SC2458 BUFFER
Q39 2SA1048 SWITCHING
YC-18 BOARD
D21 1S1555
IC16 M58478P COUNTER
IC12 TC4528BP MM DUMMY VD
D23 1S1555
Q50 2SC2458 BUFFER
IC13 TA7320P MULTIPLIER
Q43 2SA733 AMP
Q44 2SC2458 M.M
Q46 2SC535C AMP
Q47 2SC535C AMP
Q49 2SC535C AMP
IC14 CX130 SWITCH
IC6 CX832 COLOR APC COLOR VCO
D25 1S1555
IC15 CX894 PILOT BURST GATE SUB BURST INSERT
Q40 2SC403C BUFFER
IC7 CX7942 APC COUNTER
Q34 2SC2458 BUFFER
Q35 2SC403C AMP

- Resistors on the RF-4, AD-6 boards are in ohms, ¼W unless otherwise noted.
- Resistors on the YC-18 board are in ohms, 1/8W unless otherwise noted.
  kΩ : 1000Ω, MΩ : 1000kΩ
- All capacitors are in μF unless otherwise noted. p : μμF 50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊟ : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20kΩ/V).

The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

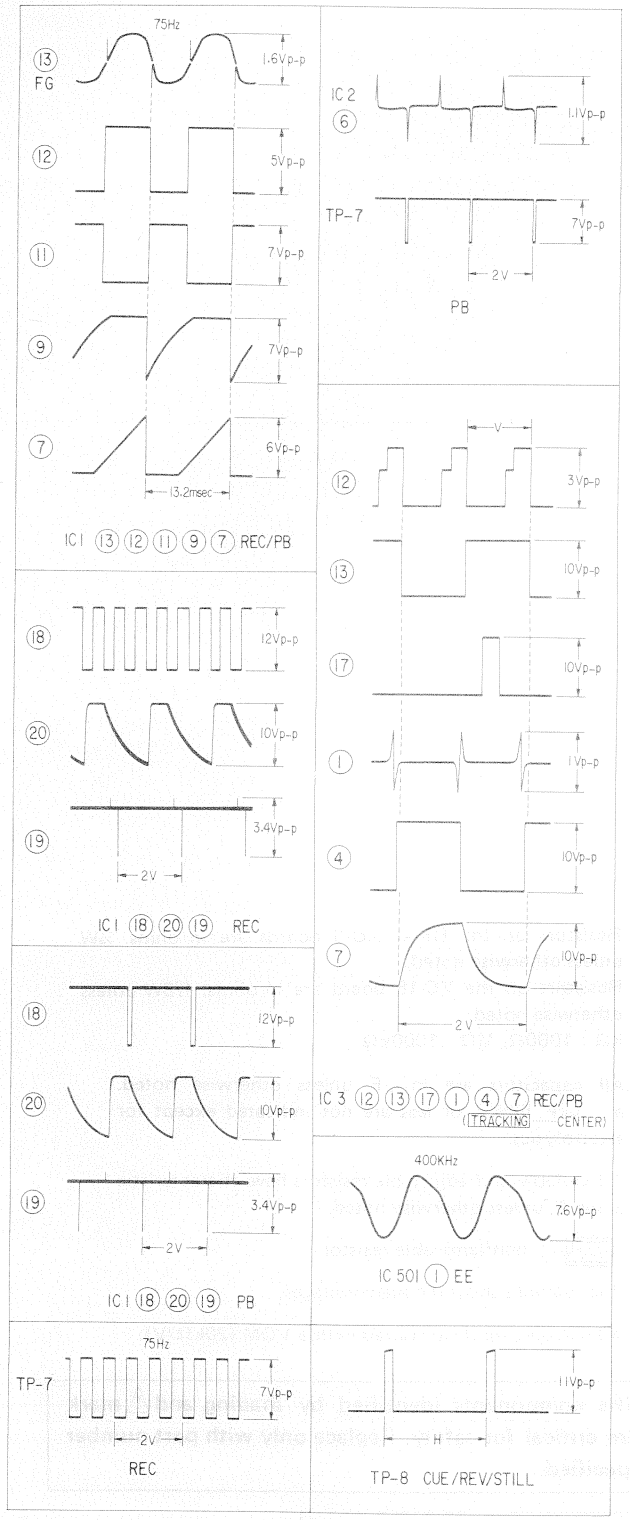
SERVO, SYSTEM CONTROL SERVO, SYSTEM CONTROL

SS-9 (SERVO & SYSTEM CONTROL), FG-2 (CAPSTAN FLY FG), DR-1 (MOTOR & SOLENOID DRIVE), DR-2, DR-3, DR-4, (SWITCH), DR-5, DR-6, DR-7, DR-8, DR-9 (RELAY), DR-10 (MOTO

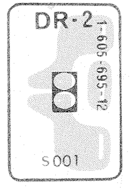
– Ref. No. SS-9 BOARD : 2000 series, FG-2 BOARD : 7700 series, DR-1, DR-2, DR-3, DR-4, DR-5, DR-6, DR-7, DR-8, DR-9, DR-10 BOARD : 5000 series, FL-2 BOARD : 7000 series, TT-2, TT-3, TT-4, TT-5 BOARD : 7100 series, FS-11 BOAR

– Conductor Side –

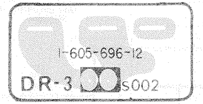
SS-9 BOARD



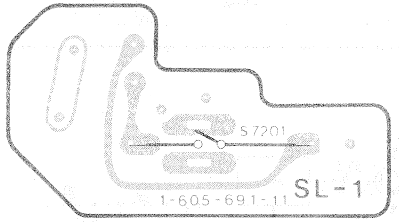
DR-2 BOARD


DR-2
1-605-695-12
S001

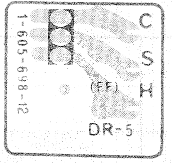
DR-3 BOARD


1-605-696-12
DR-3
S002

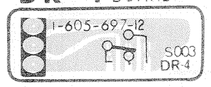
SL-1 BOARD


S7201
1-605-691-11
SL-1

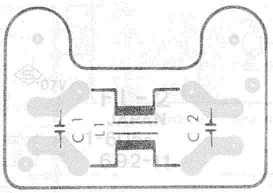
DR-5 BOARD


1-605-698-12
C
S
H
(FF)
DR-5

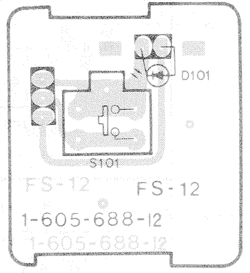
DR-4 BOARD


1-605-697-12
S003
DR-4

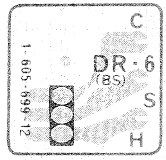
FL-2 BOARD



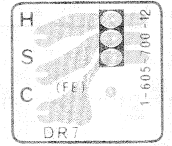
FS-12 BOARD


D101
S101
FS-12
FS-12
1-605-688-12
1-605-688-12

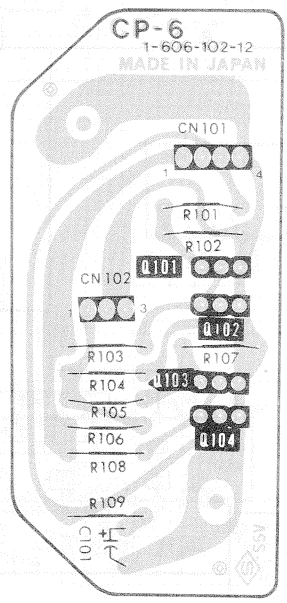
DR-6 BOARD


C
DR-6
(BS)
S
H
1-605-699-12

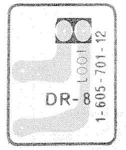
DR-7 BOARD


H
S
C
(FE)
1-605-700-12
DR7

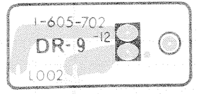
CP-6 BOARD


CP-6
1-606-102-12
MADE IN JAPAN
CN101
R101
R102
Q101
CN102
Q102
R103
R107
R104
Q103
R105
R106
Q104
R108
R109
C101

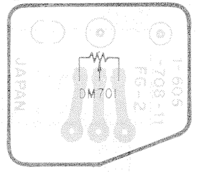
DR-8 BOARD


L001
1-605-701-12
DR-8

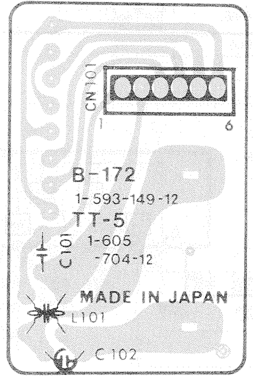
DR-9 BOARD


1-605-702-12
DR-9
L002

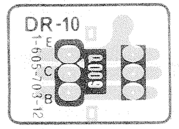
FG-2 BOARD


JAPAN
DM701
1-605-708-11
FG-2

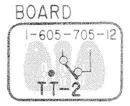
TT-5 BOARD


CN101
1
6
B-172
1-593-149-12
TT-5
1-605
-704-12
C101
MADE IN JAPAN
L101
C102

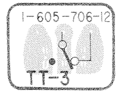
DR-10 BOARD


DR-10
1-605-703-12
Q001

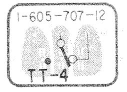
TT-2 BOARD


1-605-705-12
TT-2

TT-3 BOARD

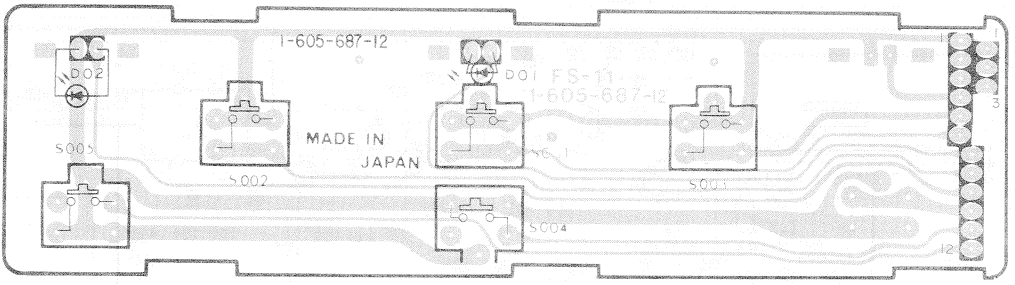

1-605-706-12
TT-3

TT-4 BOARD


1-605-707-12
TT-4

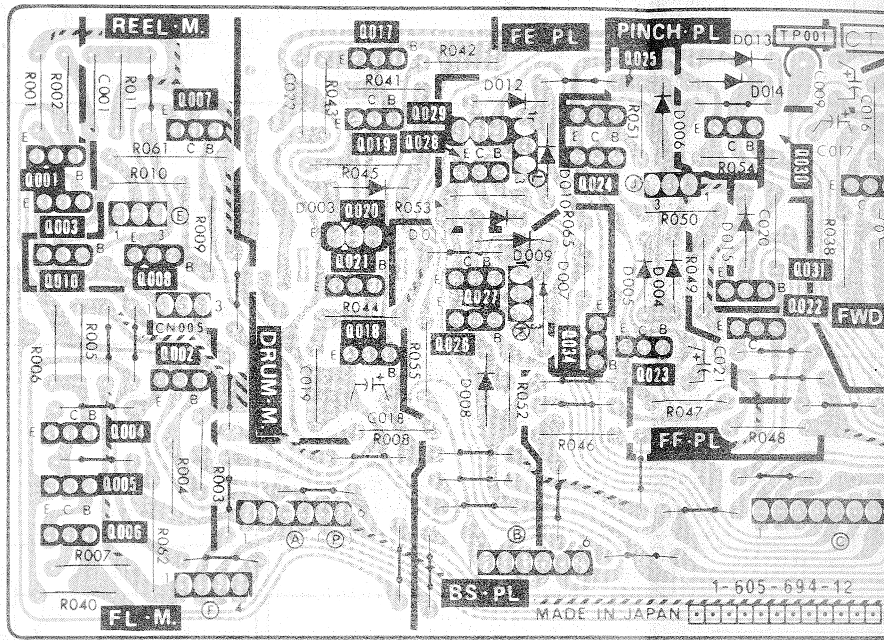
When indicating parts by reference number, please include the board name.

FS-11 BOARD

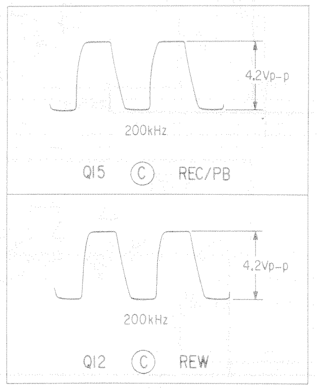

1-605-687-12
D02
D01
FS-11
1-605-687-12
S001
S002
MADE IN JAPAN
S003
S004
12
3

DR-1 BOARD

Q	001, 003 004, 010 005 006	008, 007 002	020 021	017 019 018	029 028 027 026		025 024 034	023	030 031 022
D				003	011 009 008	012 010 007		006 005, 004	013 014 015


REEL·M.
Q017
FE PL
PINCH·PL
Q025
D013
TP001
R001
R002
C001
R011
Q007
R043
R042
R041
D012
D014
Q029
Q019
Q028
R051
D006
Q001
R061
R010
R045
R054
Q030
D003
Q020
R053
D010
R065
Q024
R050
Q003
R009
Q021
D009
D007
Q008
Q010
Q027
D005
D004
R049
Q031
Q022
FWD
CN005
Q002
DRUM·M.
Q018
Q026
Q023
R005
R006
C019
R055
D008
R052
R047
C018
R008
FF·PL
R048
Q004
R046
R004
R003
Q005
Q006
R062
R007
R040
FL·M.
BS·PL
1-605-694-12
MADE IN JAPAN

DR-1 BOARD



SS-9 BOARD

REC MODE

Q		1	2	3	4
VOLTAGE	B	0.7	0	2.1	0.
	C	4.1	4.0	4.3	0.
	E	GND	GND	3.1	GN
Q		21	22	23	24
VOLTAGE	B	0.1	0.7	11.4	0.7
	C	9.5	0	11.2	11.
	E	GND	GND	11.9	6.
Q		526	527		
VOLTAGE	B	11.9	0		
	C	4.3	11.9		
	E	11.9	GND		

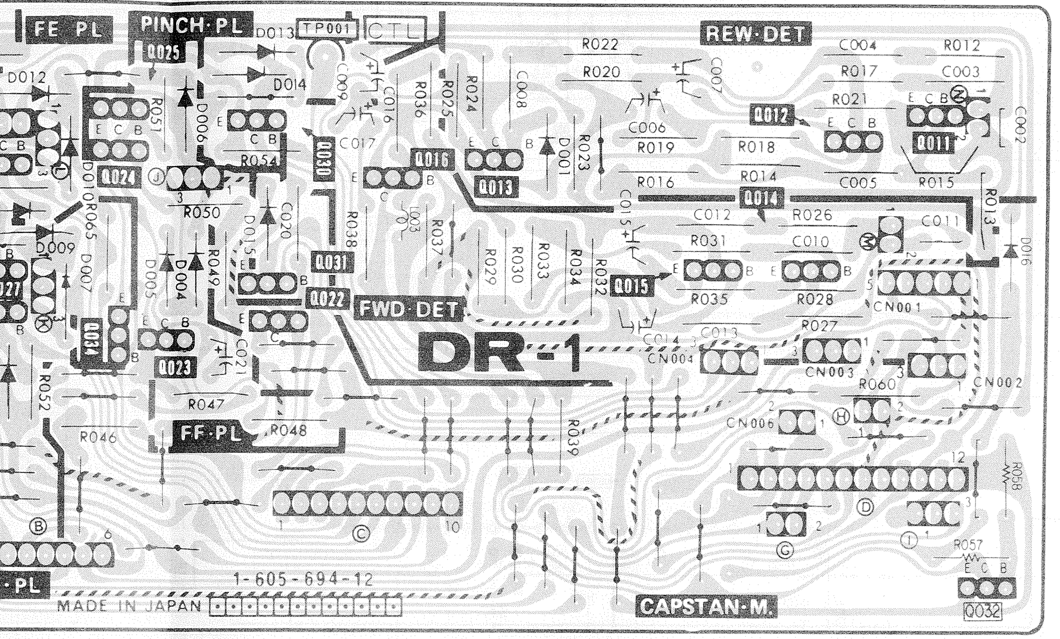
PB MODE

Q		1	2	3	4
VOLTAGE	B	0.7	0	0.1	0.
	C	0	4.0	6.4	0.
	E	GND	GND	3.0	GN
Q		21	22	23	24
VOLTAGE	B	0.1	0.7	11.4	4.
	C	9.5	0	8.9	11.
	E	GND	GND	11.9	6.
Q		526	527		
VOLTAGE	B	11.9	0		
	C	4.3	11.9		
	E	12.0	GND		

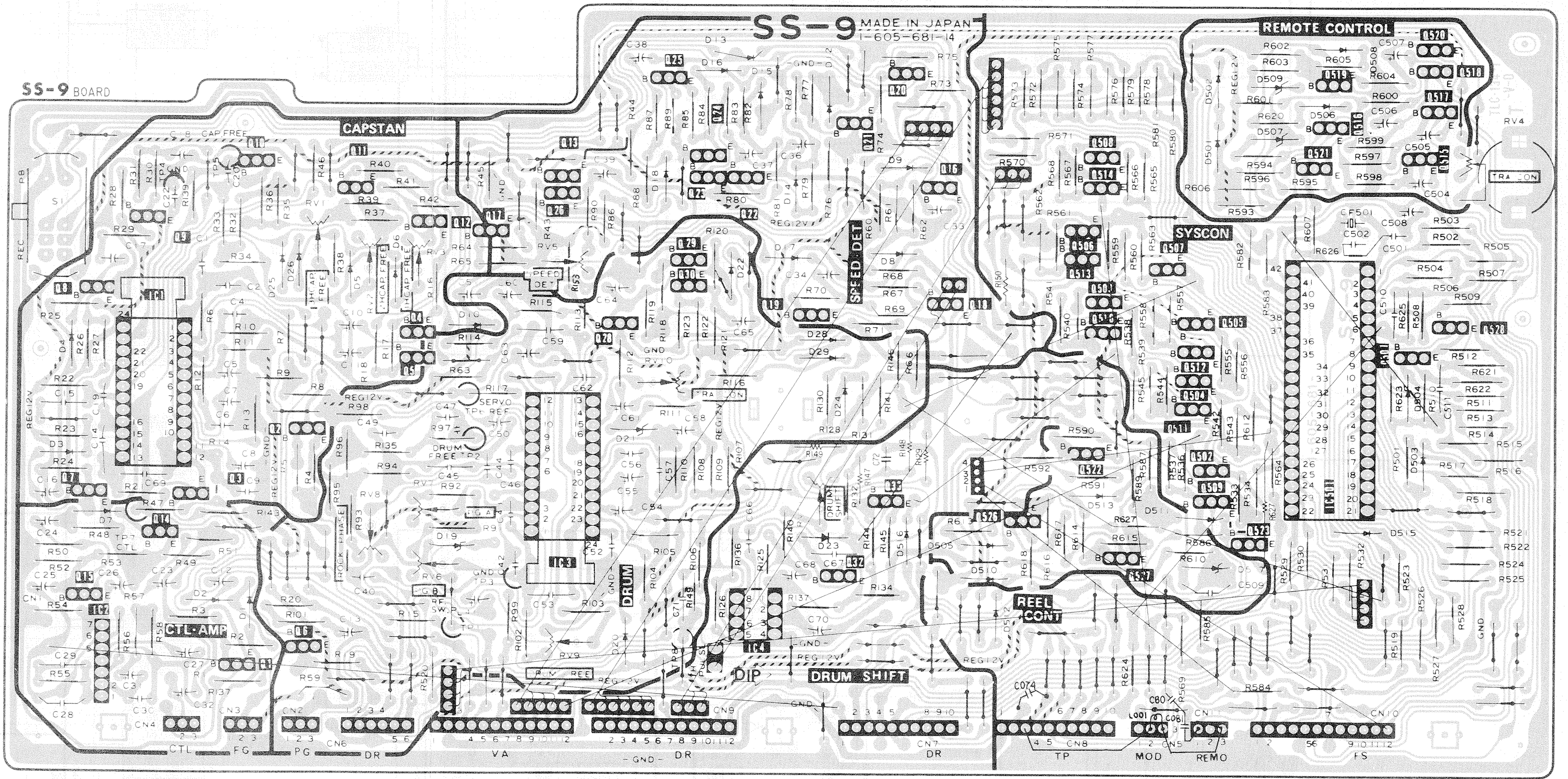
-8, DR-9 (RELAY), DR-10 (MOTOR DRIVE), FS-11, FS-12 (CASSETTE CONTROL SWITCH), FL-2 (NOISE FILTER), TT-2, TT-3, TT-4, TT-5 (CASSETTE COMPARTMENT), SL-1 (SLACK SENSOR), CP-6 (CAMERA PLAY) MOUNTING DIAGRAMS

4, TT-5 BOARD : 7100 series, FS-11 BOARD : 6000 series, FS-12 BOARD : 6100 series, SL-1 BOARD : 7200 series, CP-6 BOARD : 9100 series –

Q	29, 28, 27, 26, 025, 024, 034, 023, 030, 031, 022, 016, 013, 015, 014, 012, 011, 032
D	011, 009, 008, 012, 010, 007, 006, 005, 004, 013, 014, 015, 002, 001, D016


FE·PL
PINCH·PL
TP001
CTL
REW·DET
FWD·DET
DR-1
FF·PL
CAPSTAN·M
1-605-694-12
MADE IN JAPAN

Q / IC	8, 7, 15, IC2, 9, IC1, 14, 3, 10, 1, 2, 6, 11, 4, 12, 5, 17, 13, 26, IC3, 28, 25, 29, 23, 30, 24, 22, IC4, 19, 21, 32, 20, 33, 16, 18, 526, 522, 508, 514, 506, 513, 503, 510, 527, 507, 511, 505, 512, 504, 502, 509, 523, 521, 516, 519, IC501, 501, 520, 518, 517, 515, 528
D	4, 3, 7, 2, 1, 25, 26, 5, 6, 19, 10, 21, 20, 18, 16, 13, 15, 22, 14, 17, 12, 28, 29, 24, 23, 8, 9, 516, 505, 512, 502, 501, 511, 517, 509, 507, 605, 506, 515, 504, 503
ADJ	RV1, RV2, RV8, RV3, RV7, RV6, RV9, RV5, RV10, RV11, RV4


SS-9 BOARD
SS-9
MADE IN JAPAN
1-605-681-14
REMOTE CONTROL
CAPSTAN
SYSCON
SPEED DET
CTL-AMP
DRUM
DIP
DRUM SHIFT
REEL CONT
TRACKING
CTL
FG
PG
DR
VA
DR
TP
MOD
REMO
FS

SS-9 BOARD

REC MODE

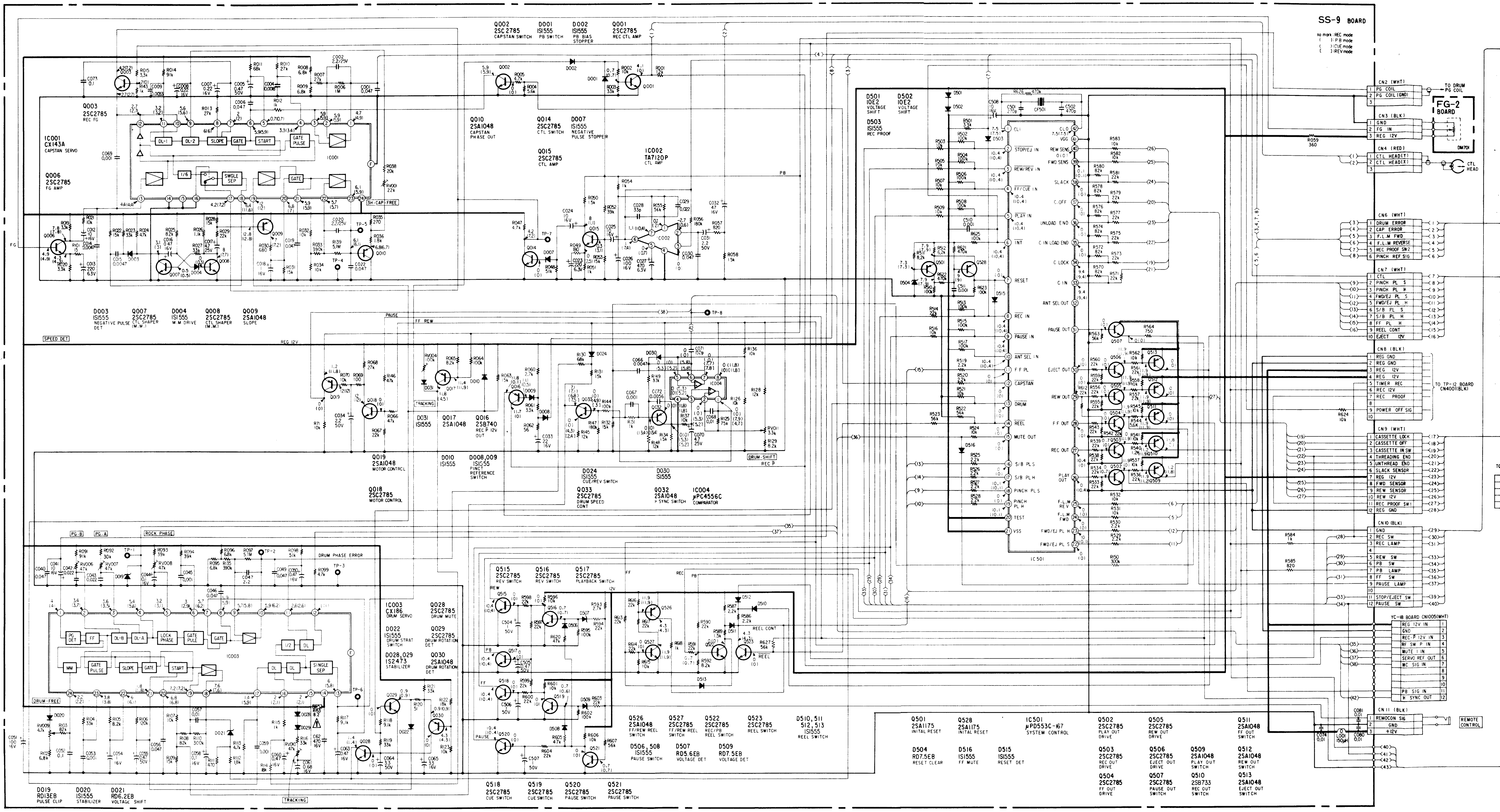
Q		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	B	0.7	0	2.1	0.1	0.5	4.9	0.5	-0.6	12.8	*	0.1	0.6	0.5	-0.2	0.4	11.1	11.3	0	11	0.7
	C	4.1	4.0	4.3	0.6	-0.2	7.8	2.7	7.2	7.4	GND	7.2	0	0.3	4.3	1.2	11.7	11.9	11.3	0	0.1
	E	GND	GND	3.1	GND	GND	4.3	GND	GND	11.9	*	GND	GND	GND	GND	0	11.8	11.9	GND	1.2	GND
Q		21	22	23	24	25	26	28	29	30	32	33	515	516	517	518	519	520	521	522	523
VOLTAGE	B	0.1	0.7	11.4	0.7	0.1	0.3	0	0	4.3	-0.1	0	0	0.7	0	0	0.7	0	0.7	0.7	0
	C	9.5	0	11.2	11.4	0.7	0.7	1.4	0.9	0	0	6.7	10.4	0	10.4	10.4	0	10.4	0	0	4.3
	E	GND	GND	11.9	6.1	GND	GND	GND	GND	0.9	0	0	GND	GND	GND	GND	GND	GND	GND	GND	GND
Q		526	527																		
VOLTAGE	B	11.9	0																		
	C	4.3	11.9																		
	E	11.9	GND																		

PB MODE

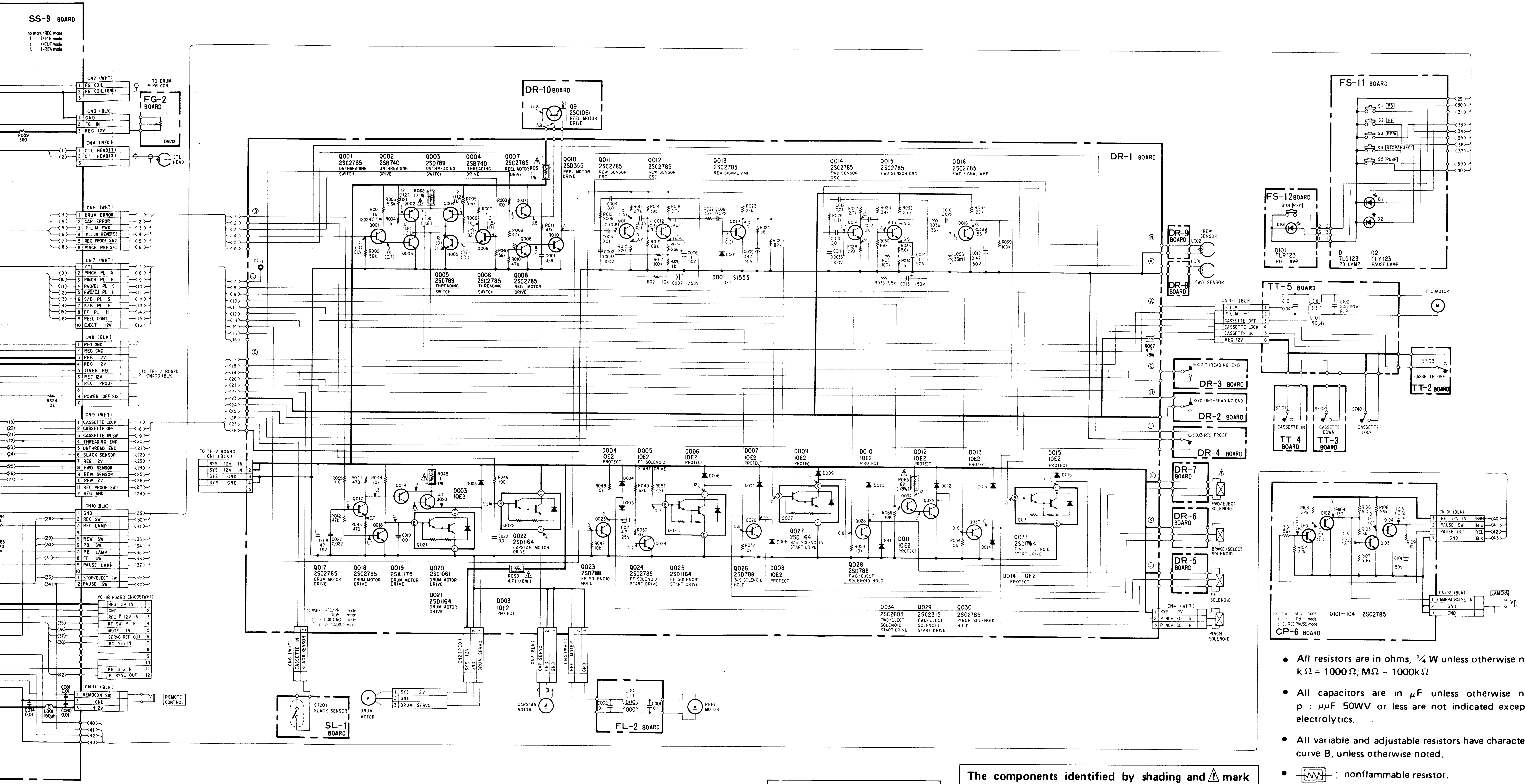
Q		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	B	0.7	0	0.1	0.1	0.5	4.9	0.5	-0.3	12.8	*	0.1	0.6	0.7	0.2	3.2	1.6	11.9	0	11.9	0.7
	C	0	4.0	6.4	0.5	-0.2	7.8	2.7	7.2	7.4	GND	7.2	0	0.1	6.4	8.1	0	6.4	11.9	0	0.1
	E	GND	GND	3.0	GND	GND	4.3	GND	GND	11.9	*	GND	GND	GND	GND	2.6	0.3	11.9	GND	11.8	GND
Q		21	22	23	24	25	26	28	29	30	32	33	515	516	517	518	519	520	521	522	523
VOLTAGE	B	0.1	0.7	11.4	4.1	0.2	0.1	0	0	4.3	-0.1	0	0	0.7	0	0	0.7	0	0.7	0.7	0
	C	9.5	0	8.9	11.4	4.1	4.1	1.4	0.9	0	0	7.0	10.4	0	10.4	10.4	0	10.4	0	0	4.3
	E	GND	GND	11.9	6.1	GND	GND	GND	GND	0.9	0	0	GND	GND	GND	GND	GND	GND	GND	GND	GND
Q		526	527																		
VOLTAGE	B	11.9	0																		
	C	4.3	11.9																		
	E	12.0	GND																		

SS-9 (SERVO & SYSTEM CONTROL), FG-2 (CAPSTAN FLY FG), DR-1 (MOTOR & SOLENOID DRIVE), DR-2, DR-3, DR-4, (SWITCH), DR-5, DR-6, DR-7, DR-8, DR-9 (RELAY), DR-10 (MOTOR DRIVE), FS-11, FS-12 (CASSETTE CONTROL SWITCH),

– Ref. No. SS-9 BOARD : 2000 series, FG-2 BOARD : 7700 series, DR-1, DR-2, DR-3, DR-4, DR-5, DR-7, DR-8, DR-9, DR-10 BOARD : 5000 series,
FS-11 BOARD : 6000 series, FS-12 BOARD : 6100 series, FL-2 BOARD : 7000 series, TT-2, TT-3, TT-4, TT-5 BOARD : 7100 series, SL-1 BOARD : 7200 series,
CP-6 BOARD : 9100 series –


SS-9 BOARD
no mark : REC mode
( ) : PB mode
( ) : CUE mode
( ) : REV mode
FG-2 BOARD
IC001 CX143A CAPSTAN SERVO
IC002 TA7120P CTL AMP
IC003 CX186 DRUM SERVO
IC004 µPC4556C COMPARATOR
IC501 µPD553C-167 SYSTEM CONTROL
Q001 2SC2785 REC CTL AMP
Q002 2SC2785 CAPSTAN SWITCH
D001 1S1555 PB SWITCH
D002 1S1555 PB BIAS STOPPER
Q003 2SC2785 REC FG
Q006 2SC2785 FG AMP
Q010 2SA1048 CAPSTAN PHASE OUT
Q014 2SC2785 CTL SWITCH
D007 1S1555 NEGATIVE PULSE STOPPER
Q015 2SC2785 CTL AMP
D003 1S1555 NEGATIVE PULSE DET
Q007 2SC2785 CTL SHAPER (M.M.)
D004 1S1555 M.M DRIVE
Q008 2SC2785 CTL SHAPER (M.M.)
Q009 2SA1048 SLOPE
SPEED DET
REG 12V
PAUSE
FF REW
TRACKING
D031 1S1555
Q017 2SA1048
Q016 2SB740 REC P 12V OUT
Q019 2SA1048 MOTOR CONTROL
Q018 2SC2785 MOTOR CONTROL
D010 1S1555
D008,009 1S1555 PINCH REFERENCE SWITCH
D024 1S1555 CUE/REV SWITCH
Q033 2SC2785 DRUM SPEED CONT
D030 1S1555
Q032 2SA1048 H SYNC SWITCH
DRUM SHIFT
REC P
PG-B
PG-A
ROCK PHASE
DRUM PHASE ERROR
TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-7
TP-8
DRUM FREE
3H-CAP-FREE
Q028 2SC2785 DRUM MUTE
D022 1S1555 DRUM START SWITCH
Q029 2SC2785 DRUM ROTATION DET
D028,029 1S2473 STABILIZER
Q030 2SA1048 DRUM ROTATION DET
D019 RD13EB PULSE CLIP
D020 1S1555 STABILIZER
D021 RD6.2EB VOLTAGE SHIFT
Q515 2SC2785 REV SWITCH
Q516 2SC2785 REV SWITCH
Q517 2SC2785 PLAYBACK SWITCH
Q518 2SC2785 CUE SWITCH
Q519 2SC2785 CUE SWITCH
Q520 2SC2785 PAUSE SWITCH
Q521 2SC2785 PAUSE SWITCH
Q526 2SA1048 FF/REW REEL SWITCH
Q527 2SC2785 FF/REW REEL SWITCH
Q522 2SC2785 REC/PB REEL SWITCH
Q523 2SC2785 REEL SWITCH
D510, 511, 512, 513 1S1555 REEL SWITCH
D506, 508 1S1555 PAUSE SWITCH
D507 RD5.6EB VOLTAGE DET
D509 RD7.5EB VOLTAGE DET
REEL CONT
D501 10E2 VOLTAGE SHIFT
D502 10E2 VOLTAGE SHIFT
D503 1S1555 REC PROOF
Q501 2SA1175 INITIAL RESET
Q528 2SA1175 INITIAL RESET
D504 RD7.5EB RESET CLEAR
D516 1S1555 FF MUTE
D515 1S1555 RESET DET
Q502 2SC2785 PLAY OUT DRIVE
Q503 2SC2785 REC OUT DRIVE
Q504 2SC2785 FF OUT DRIVE
Q505 2SC2785 REW OUT DRIVE
Q506 2SC2785 EJECT OUT DRIVE
Q507 2SC2785 PAUSE OUT SWITCH
Q509 2SA1048 PLAY OUT SWITCH
Q510 2SB733 REC OUT SWITCH
Q511 2SA1048 FF OUT SWITCH
Q512 2SA1048 REW OUT SWITCH
Q513 2SA1048 EJECT OUT SWITCH
CL1
STOP/EJ IN
REW/REV IN
FF/CUE IN
PLAY IN
INT
RESET
REC IN
PAUSE IN
ANT SEL IN
F F PL
CAPSTAN
DRUM
REEL
MUTE OUT
S/B PL S
S/B PL H
PINCH PL S
PINCH PL H
TEST
VSS
CL0
VGG
REW SENS
FWD SENS
SLACK
C.OFF
UNLOAD END
C IN LOAD END
C LOCK
C IN
ANT SEL OUT
PAUSE OUT
EJECT OUT
REW OUT
F F OUT
REC OUT
PLAY OUT
F.L.M REV
F.L.M FWD
FWD/EJ PL H
FWD/EJ PL S
CN2 (WHT) 1 PG COIL 2 PG COIL (GND) 3
TO DRUM PG COIL
CN3 (BLK) 1 GND 2 FG IN 3 REG 12V
CN4 (RED) 1 CTL HEAD(Y) 2 CTL HEAD(X) 3
CTL HEAD
CN6 (WHT) 1 DRUM ERROR 2 CAP ERROR 3 F.L.M FWD 4 F.L.M REVERSE 5 REC PROOF SW2 6 PINCH REF SIG
CN7 (WHT) 1 CTL 2 PINCH PL S 3 PINCH PL H 4 FWD/EJ PL S 5 FWD/EJ PL H 6 S/B PL S 7 S/B PL H 8 FF PL H 9 REEL CONT 10 EJECT 12V
CN8 (BLK) 1 REG GND 2 REG GND 3 REG 12V 4 REG 12V 5 TIMER REC 6 REC 12V 7 REC PROOF 8 9 POWER OFF SIG 10
TO TP-12 BOARD CN4001(BLK)
CN9 (WHT) 1 CASSETTE LOCK 2 CASSETTE OFF 3 CASSETTE IN SW 4 THREADING END 5 UNTHREAD END 6 SLACK SENSOR 7 REG 12V 8 FWD SENSOR 9 REW SENSOR 10 REW 12V 11 REC PROOF SW1 12 REG GND
CN10 (BLK) 1 GND 2 REC SW 3 REC LAMP 4 5 REW SW 6 PB SW 7 PB LAMP 8 FF SW 9 PAUSE LAMP 10 11 STOP/EJECT SW 12 PAUSE SW
YC-18 BOARD CN1005(WHT) 1 REG 12V IN 2 GND 3 REC-P 12V IN 4 RF SW P IN 5 MUTE 1 IN 6 SERVO REF OUT 7 MC SIG IN 8 9 10 PB SIG IN 11 H SYNC OUT 12
CN11 (BLK) 1 REMOCON SIG 2 GND 3 +12V
REMOTE CONTROL

2 (CASSETTE CONTROL SWITCH), FL-2 (NOISE FILTER), TT-2, TT-3, TT-4, TT-5 (CASSETTE COMPARTMENT), SL-1 (SLACK SENSOR), CP-6 (CAMERA PLAY) BOARDS SCHEMATIC DIAGRAM


SS-9 BOARD
no mark: REC mode
( ): PB mode
( ): CUE mode
( ): REV mode
CN2 (WHT)
PG COIL
PG COIL (GND)
TO DRUM PG COIL
FG-2 BOARD
CN3 (BLK)
GND
FG IN
REG 12V
DM701
R059 360
CN4 (RED)
CTL HEAD(T)
CTL HEAD(X)
CTL HEAD
CN6 (WHT)
DRUM ERROR
CAP ERROR
F.L.M. FWD
F.L.M. REVERSE
REC PROOF SW2
PINCH REF SIG
CN7 (WHT)
CTL
PINCH PL S
PINCH PL H
FWD/EJ PL S
FWD/EJ PL H
S/B PL S
S/B PL H
FF PL H
REEL CONT
EJECT 12V
CN8 (BLK)
REG GND
REG GND
REG 12V
REG 12V
TIMER REC
REC 12V
REC PROOF
POWER OFF SIG
TO TP-12 BOARD CN4001(BLK)
R624 10k
CN9 (WHT)
CASSETTE LOCK
CASSETTE OFF
CASSETTE IN SW
THREADING END
UNTHREAD END
SLACK SENSOR
REG 12V
FWD SENSOR
REW SENSOR
REW 12V
REC PROOF SW1
REG GND
CN10 (BLK)
GND
REC SW
REC LAMP
REW SW
PB SW
PB LAMP
FF SW
PAUSE LAMP
STOP/EJECT SW
PAUSE SW
YC-18 BOARD CN1005(WHT)
REG 12V IN
GND
REC-P 12V IN
RF SW P IN
MUTE 1 IN
SERVO REF OUT
HC SIG IN
PB SIG IN
H SYNC OUT
CN11 (BLK)
REMOCON SIG
GND
+12V
REMOTE CONTROL
C074 0.01
L001 150μH
C080 0.01
C081 0.01
TO TP-2 BOARD CN1 (BLK)
SYS 12V IN
SYS 12V IN
SYS GND
SYS GND
TP-1
DR-10 BOARD
Q9 2SC1061 REEL MOTOR DRIVE
DR-1 BOARD
Q001 2SC2785 UNTHREADING SWITCH
Q002 2SB740 UNTHREADING DRIVE
Q003 2SD789 UNTHREADING SWITCH
Q004 2SB740 THREADING DRIVE
Q007 2SC2785 REEL MOTOR DRIVE
Q010 2SD355 REEL MOTOR DRIVE
Q011 2SC2785 REW SENSOR OSC
Q012 2SC2785 REW SENSOR OSC
Q013 2SC2785 REW SIGNAL AMP
Q014 2SC2785 FWD SENSOR OSC
Q015 2SC2785 FWD SENSOR OSC
Q016 2SC2785 FWD SIGNAL AMP
Q005 2SD789 THREADING SWITCH
Q006 2SC2785 THREADING SWITCH
Q008 2SC2785 REEL MOTOR DRIVE
D001 1S1555 DET
DR-9 BOARD
REW SENSOR
DR-8 BOARD
FWD SENSOR
R067 4.7 (1/8W)
S002 THREADING END
DR-3 BOARD
S001 UNTHREADING END
DR-2 BOARD
S003 REC PROOF
DR-4 BOARD
DR-7 BOARD
FWD/EJECT SOLENOID
DR-6 BOARD
BRAKE/SELECT SOLENOID
DR-5 BOARD
FF SOLENOID
CN4 (WHT)
SYS 12V
PINCH SOL S
PINCH SOL H
PINCH SOLENOID
Q017 2SC2785 DRUM MOTOR DRIVE
Q018 2SC2785 DRUM MOTOR DRIVE
Q019 2SA1175 DRUM MOTOR DRIVE
Q020 2SC1061 DRUM MOTOR DRIVE
Q021 2SD1164 DRUM MOTOR DRIVE
Q022 2SD1164 CAPSTAN MOTOR DRIVE
D003 10E2 PROTECT
R060 4.7 (1/8W)
D004 10E2 PROTECT
D005 10E2 FF SOLENOID START DRIVE
D006 10E2 PROTECT
D007 10E2 PROTECT
D009 10E2 PROTECT
D010 10E2 PROTECT
D012 10E2 PROTECT
D013 10E2 PROTECT
D015 10E2 PROTECT
Q023 2SD788 FF SOLENOID HOLD
Q024 2SC2785 FF SOLENOID START DRIVE
Q025 2SD1164 FF SOLENOID START DRIVE
Q026 2SD788 B/S SOLENOID HOLD
D008 10E2 PROTECT
Q027 2SD1164 B/S SOLENOID START DRIVE
Q028 2SD788 FWD/EJECT SOLENOID HOLD
D011 10E2 PROTECT
D014 10E2 PROTECT
Q031 2SD1164 PINCH SOLENOID START DRIVE
Q034 2SC2603 FWD/EJECT SOLENOID START DRIVE
Q029 2SC2315 FWD/EJECT SOLENOID START DRIVE
Q030 2SC2785 PINCH SOLENOID HOLD
R065 82 (1/8W)
no mark: REC/PB mode
CN6 (WHT)
CASSETTE IN
SLACK SENSOR
CN2 (RED)
SYS 12V
GND
DRUM SERVO
CN3 (BLK)
CAP SERVO
GND
CN5 (WHT)
REEL MOTOR
GND
S7201 SLACK SENSOR
SL-1 BOARD
DRUM MOTOR
SYS 12V
GND
DRUM SERVO
CAPSTAN MOTOR
L001 LFT
C002 0.1
C001 0.1
FL-2 BOARD
REEL MOTOR
FS-11 BOARD
S1 PB
S2 FF
S3 REW
S4 STOP/EJECT
S5 PAUSE
FS-12 BOARD
S101 REC
D101 TLR123 REC LAMP
D1 TLG123 PB LAMP
D2 TLY123 PAUSE LAMP
TT-5 BOARD
CN101 (BLK)
F.L.M. (-)
F.L.M. (+)
CASSETTE OFF
CASSETTE LOCK
CASSETTE IN
REG 12V
C101 0.047
L101 190μH
C102 2.2/50V B.P
F.L. MOTOR
S7103 CASSETTE OFF
TT-2 BOARD
S7101 CASSETTE IN
TT-4 BOARD
S7102 CASSETTE DOWN
TT-3 BOARD
S7401 CASSETTE LOCK
CN101 (BLK)
REC 12V IN
PAUSE SW
PAUSE OUT
GND
CN102 (BLK)
CAMERA PAUSE IN
GND
GND
CAMERA
no mark: REC mode
( ): PB mode
( ): REC PAUSE mode
Q101-104 2SC2785
CP-6 BOARD

- All resistors are in ohms, ¼ W unless otherwise noted. kΩ = 1000 Ω; MΩ = 1000kΩ
- All capacitors are in μF unless otherwise noted. p : μμF 50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ▭ : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20kΩ/V).

When indicating parts by reference number, please include the board name.

The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

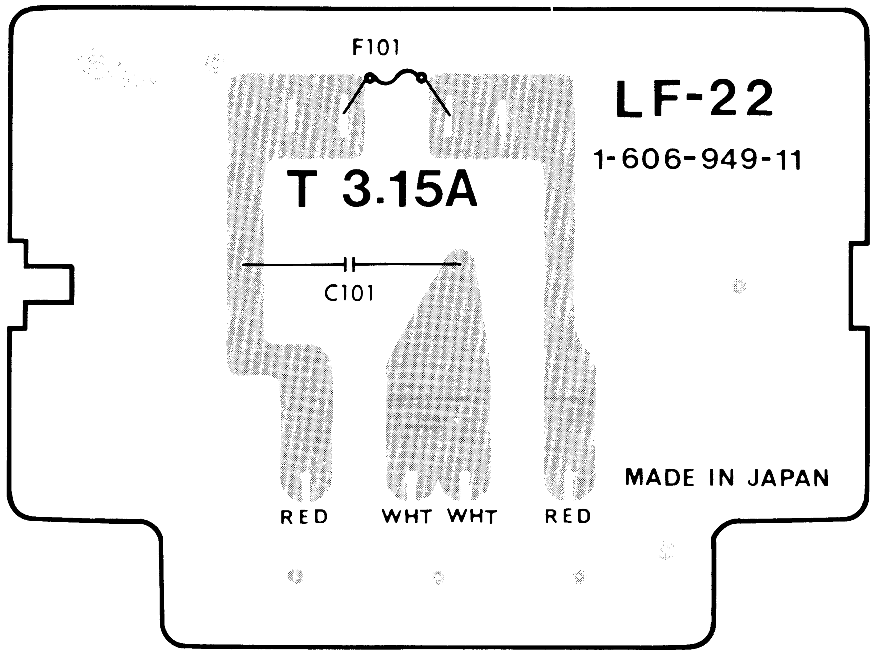
POWER SUPPLY, TIMER　POWER SUPPLY, TIMER

LF-22 (LINE FILTER), TP-12 (POWER SUPPLY, TUNER) TP-13 (TIMER CONTROL, TIMER PRESET) TP-14 (TIMER & POWER SWITCH), TP-16 (REGULATOR) MOUNTING DIAGRAMS

– Ref. No. LF-22, TP-12, TP-13, TP-14, TP-16 BOARD : 4000 series –

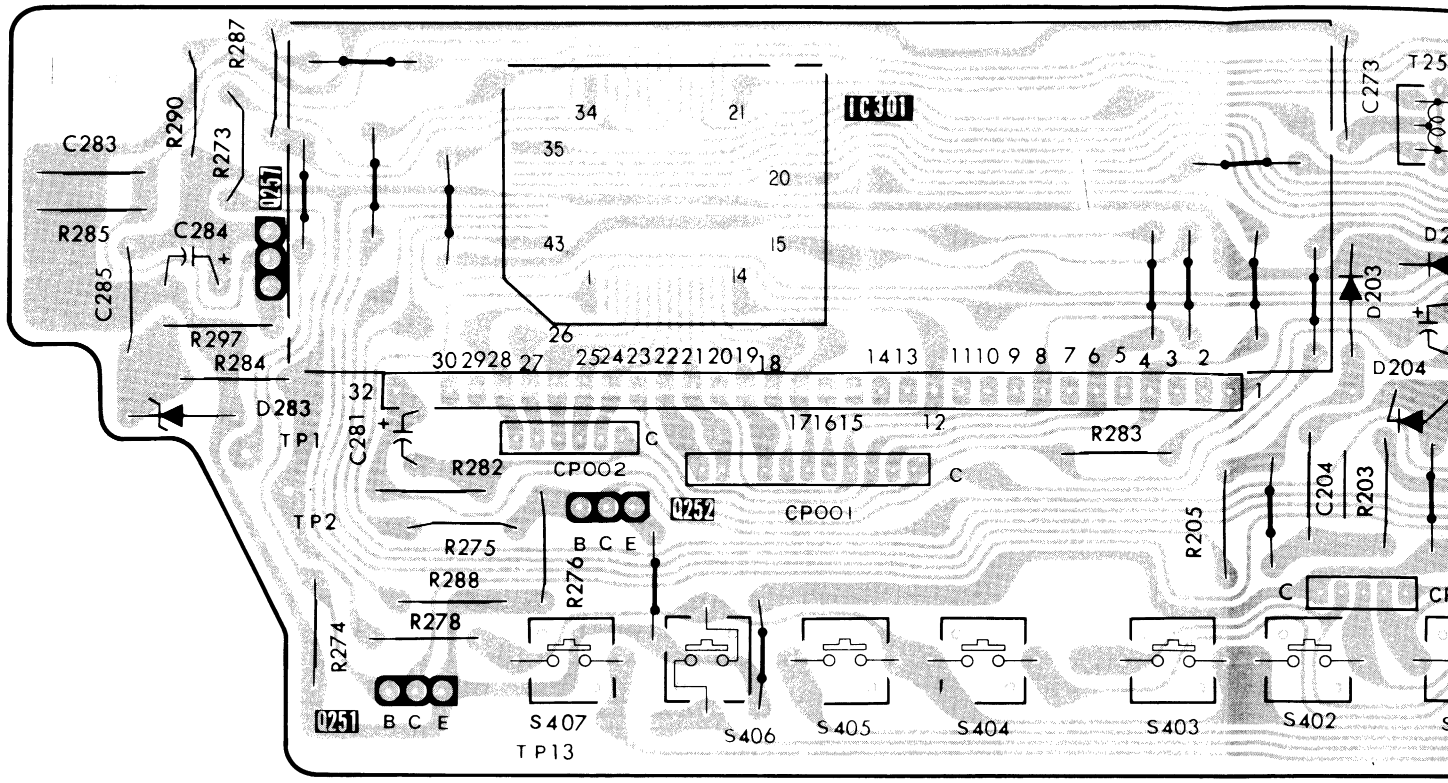
– Conductor Side –

LF-22 BOARD



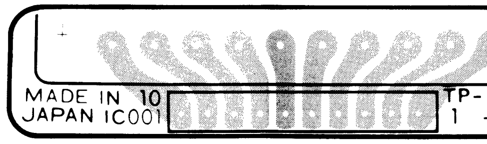
F101
LF-22
1-606-949-11
T 3.15A
C101
MADE IN JAPAN
RED
WHT WHT
RED

TP-13 BOARD



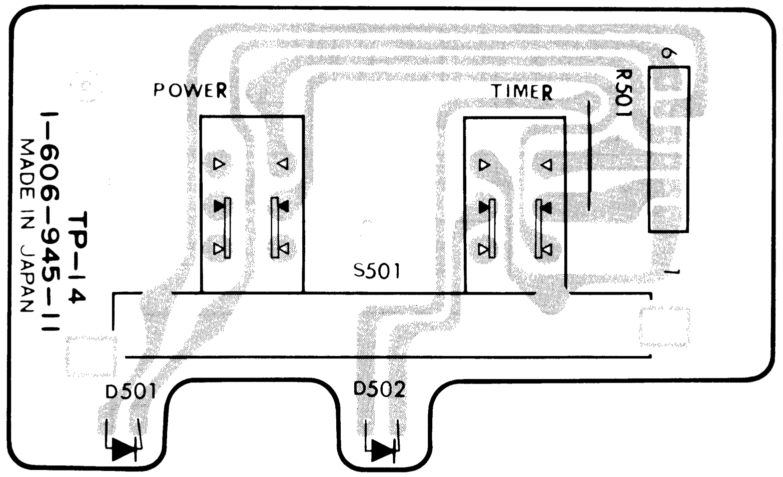
R287
R290
R273
C283
R285
C284
C285
Q251
IC301
34
21
35
20
43
15
14
26
R297
R284
30 29 28 27
25 24 23 22 21 20 19 18
14 13
11 10 9 8 7 6 5 4 3 2
1
32
D283
TP1
C281
17 16 15
12
R283
C
CP002
R282
C
CP001
TP2
Q252
B C E
R275
R288
R276
R278
R274
Q251
B C E
S407
TP13
S406
S405
S404
S403
S402
C273
T25
D203
D204
C204
R203
R205
C

TP-16 BOARD

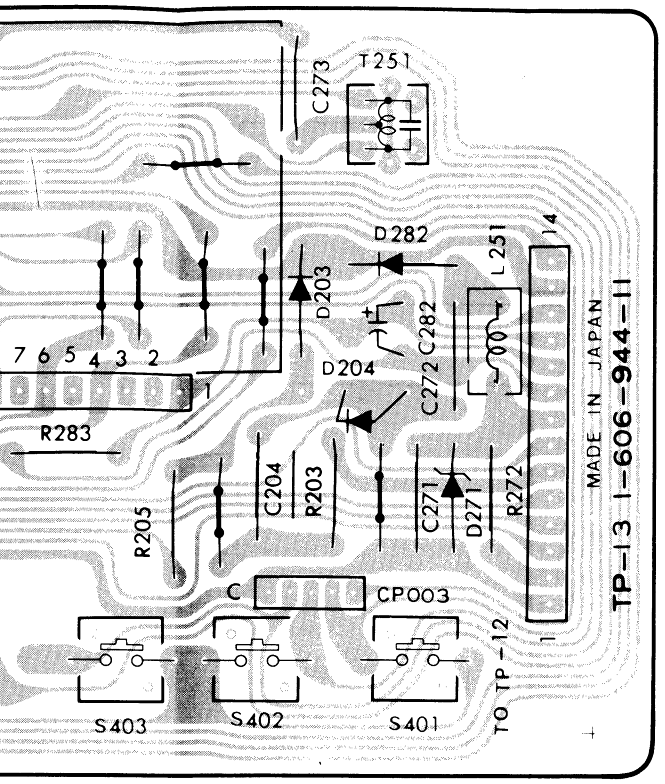


MADE IN JAPAN
10
IC001
TP-
1

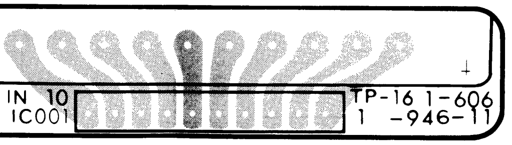
TP-14 BOARD



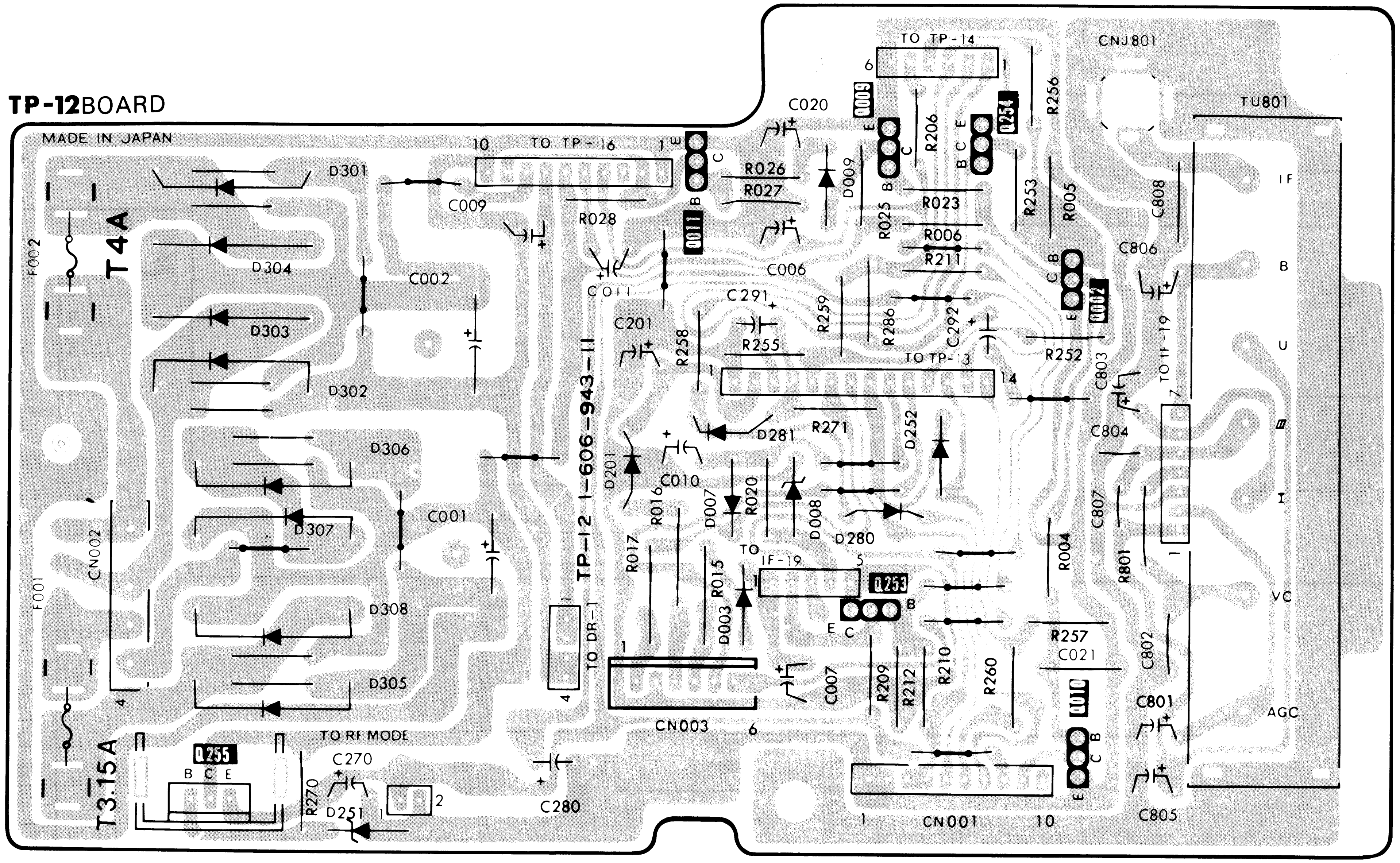
POWER
TIMER
R501
9
1
S501
TP-14
1-606-945-11
MADE IN JAPAN
D501
D502


T251
C273
D282
L251
14
D203
C282
C272
7 6 5 4 3 2
1
D204
R283
C204
R203
C271
D271
R272
R205
C
CP003
MADE IN JAPAN
TP-13 1-606-944-11
TO TP-12
S403
S402
S401

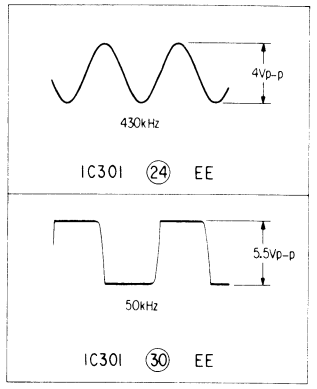
-16BOARD


IN 10
IC001
TP-16 1-606 1 -946-11

TP-12BOARD


MADE IN JAPAN
TO TP-14
6
1
CNJ801
TU801
C020
10
TO TP-16
1
E
C
B
Q009
R206
R256
D301
C009
R026
R027
D009
R025
R023
R253
R005
C808
IF
F002
T4A
R028
Q011
R006
R211
C806
D304
C002
C011
C006
B
Q254
C291
R259
R286
C292
Q012
B
C201
R258
R255
TO TP-13
R252
C803
TO IF-19
D303
1
14
7
U
D302
D306
D201
C010
D281
R271
D252
C804
TP-12 1-606-943-11
R016
D007
R020
D008
D280
C807
I
C001
D307
CN002
R017
R015
TO IF-19
5
R004
R801
VC
F001
D308
TO DR-1
D003
Q253
B
E C
R257
C021
1
D305
C007
R209
R212
R210
R260
C802
Q010
C801
AGC
4
4
CN003
6
C B E
T3.15A
Q255
B C E
TO RF MODE
C270
R270
D251
1
2
C280
1
CN001
10
C805

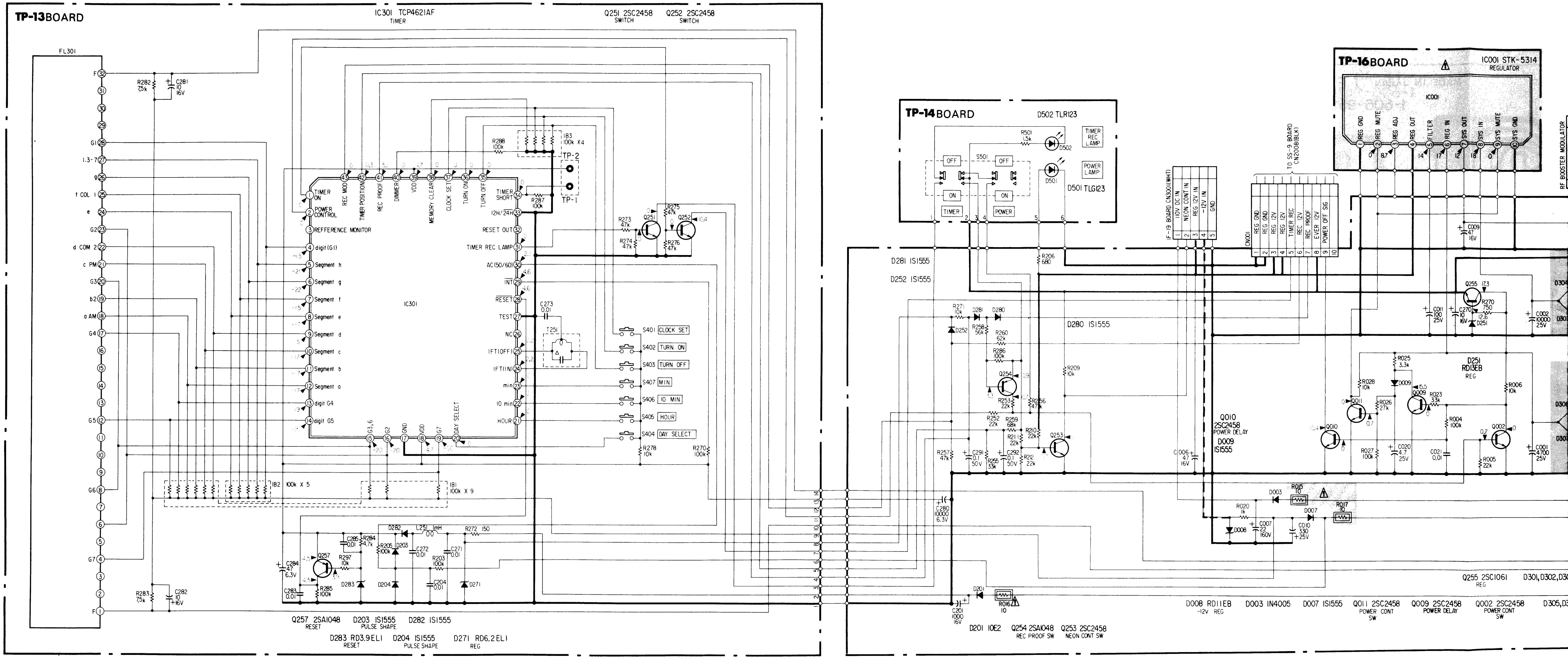
TP-13 BOARD



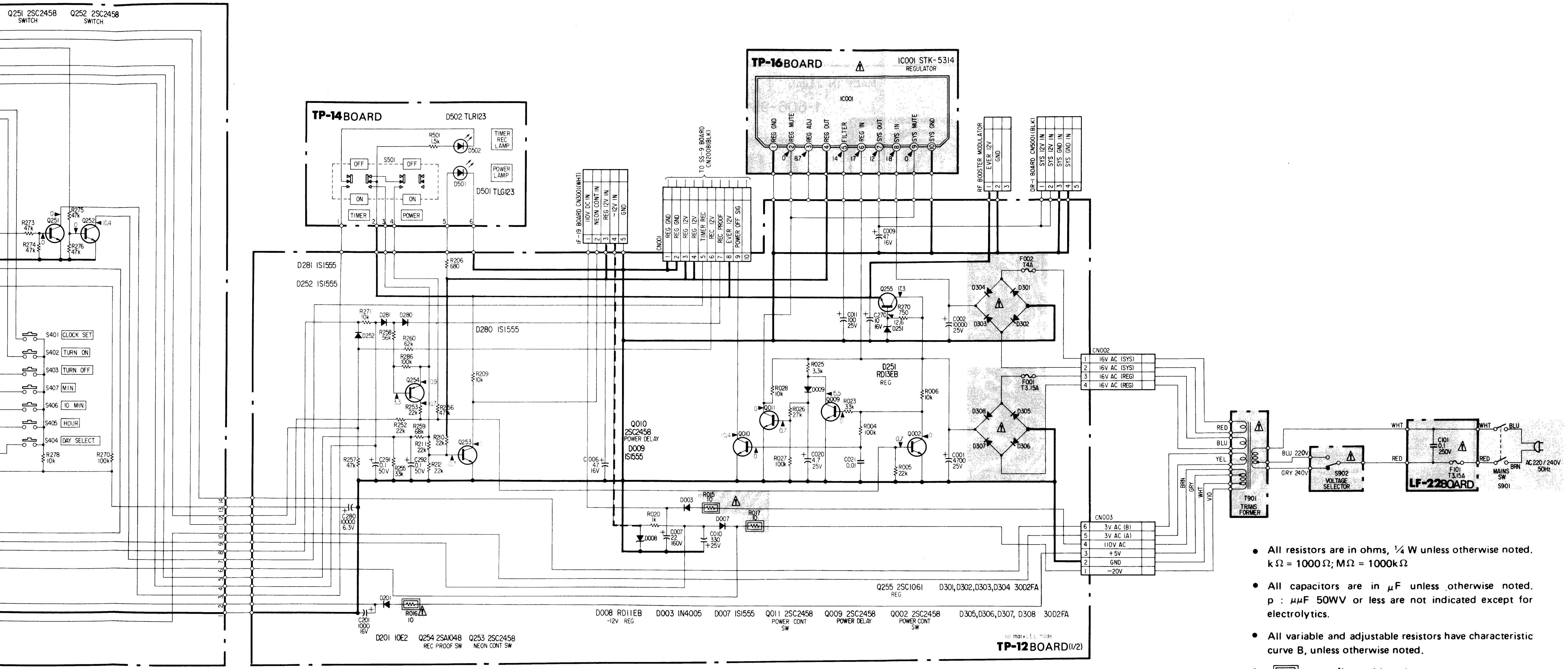
When indicating parts by reference number, please include the board name.

LF-22 (LINE FILTER), TP-12 (POWER SUPPLY, TUNER), TP-13 (TIMER CONTROL, TIMER PRESET) TP-14 (TIMER & POWER SWITCH), TP-16 (REGULATOR) BOARDS SCHEMATIC DIAGRAM

– Ref. No. LF-22, TP-12, TP-13, TP-14, TP-16 BOARD : 4000 series –


TP-13BOARD
FL301
IC301 TCP4621AF
TIMER
Q251 2SC2458
SWITCH
Q252 2SC2458
SWITCH
TIMER ON
POWER CONTROL
REFFERENCE MONITOR
digit (G1)
Segment h
Segment g
Segment f
Segment e
Segment d
Segment c
Segment b
Segment a
digit G4
digit G5
REC MODE
TIMER POSITION
REC PROOF
DIMMER
VDD
MEMORY CLEAR
CLOCK SET
TURN ON
TURN OFF
TIMER SHORT
12H/24H
RESET OUT
TIMER REC LAMP
AC(50/60)
INT
RESET
TEST
NC
IFT(OFF)
IFT(IN)
min
10 min
HOUR
DAY SELECT
G3,6
G2
GND
VDD
G7
TP-2
TP-1
IB3 100k X4
IB2 100k X 5
IB1 100k X 9
S401 CLOCK SET
S402 TURN ON
S403 TURN OFF
S407 MIN
S406 10 MIN
S405 HOUR
S404 DAY SELECT
T251
C273 0.01
R288 100k
R287 100k
R273 47k
R274 47k
R275 47k
R276 47k
R278 10k
R270 100k
R282 7.5k
C281 10 16V
R283 7.5k
C282 10 16V
C284 47 6.3V
C283 0.01
Q257
R297 10k
R285 100k
C285 0.01
R284 4.7k
R205 100k
D282
D203
D283
D204
L251 1mH
C272 0.01
R203 100k
C204 0.01
C271 0.01
R272 150
D271
Q257 2SA1048 RESET
D203 1S1555 PULSE SHAPE
D282 1S1555
D283 RD3.9EL1 RESET
D204 1S1555 PULSE SHAPE
D271 RD6.2EL1 REG
TP-14BOARD
D502 TLR123
R501 1.5k
TIMER REC LAMP
S501
OFF
ON
TIMER
POWER
POWER LAMP
D501 TLG123
D281 1S1555
D252 1S1555
D280 1S1555
R271 10k
R258 56k
R260 62k
R286 100k
Q254
R253 22k
R256 47k
R252 22k
R259 68k
R211 22k
R210 22k
R206 680
R209 10k
Q253
R257 47k
C291 0.1 50V
R255 33k
C292 0.1 50V
R212 22k
C280 10000 6.3V
D201
R016 10
C201 1000 16V
D201 10E2
Q254 2SA1048 REC PROOF SW
Q253 2SC2458 NEON CONT SW
IF-19 BOARD CN3001(WHT)
110V DC IN
NEON CONT IN
REG 12V IN
-12V IN
GND
TO SS-9 BOARD CN2008(BLK)
CN001
REG GND
REG GND
REG 12V
REG 12V
TIMER REC
REC 12V
REC PROOF
EVER 12V
POWER OFF SIG
C006 47 16V
Q010 2SC2458 POWER DELAY
D009 1S1555
TP-16BOARD
IC001 STK-5314
REGULATOR
IC001
REG GND
REG MUTE
REG ADJ
REG OUT
FILTER
REG IN
SYS OUT
SYS IN
SYS MUTE
SYS GND
RF BOOSTER MODULATOR
C009 47 16V
Q255
R270 750
C011 100 25V
C270 10 16V
D251
C002 10000 25V
R025 3.3k
D251 RD13EB REG
R028 10k
D009
R026 27k
Q009
R023 33k
R006 10k
Q011
Q010
R004 100k
Q002
R027 100k
C020 4.7 25V
C021 0.01
R005 22k
C001 4700 25V
D003
R015 10
R017 10
R020 1k
D007
D008
C007 22 160V
C010 330 25V
Q255 2SC1061 REG
D301,D302,D30
D008 RD11EB -12V REG
D003 1N4005
D007 1S1555
Q011 2SC2458 POWER CONT SW
Q009 2SC2458 POWER DELAY
Q002 2SC2458 POWER CONT SW
D305,D3

ET) TP-14 (TIMER & POWER SWITCH), TP-16 (REGULATOR) BOARDS SCHEMATIC DIAGRAM


Q251 2SC2458 SWITCH
Q252 2SC2458 SWITCH
R273 47k
R274 47k
R275 47k
R276 47k
S401 CLOCK SET
S402 TURN ON
S403 TURN OFF
S407 MIN
S406 10 MIN
S405 HOUR
S404 DAY SELECT
R278 10k
R270 100k
TP-14 BOARD
D502 TLR123
R501 1.5k
D502
TIMER REC LAMP
POWER LAMP
D501
D501 TLG123
S501
OFF
ON
TIMER
POWER
R206 680
D281 1S1555
D252 1S1555
D280 1S1555
R271 10k
R258 56k
R260 62k
R286 100k
Q254
R253 22k
R256 47k
R252 22k
R259 68k
R211 22k
R210 22k
Q253
R209 10k
R257 47k
C291 0.1 50V
R255 33k
C292 0.1 50V
R222 22k
C280 10000 6.3V
C201 1000 16V
D201
R016 10
D201 10E2
Q254 2SA1048 REC PROOF SW
Q253 2SC2458 NEON CONT SW
IF-19 BOARD CN3001(WHT)
110V DC IN
NEON CONT IN
REG 12V IN
−12V IN
GND
C006 47 16V
Q010 2SC2458 POWER DELAY
D009 1S1555
TO SS-9 BOARD CN2008(BLK)
CN001
REG GND
REG GND
REG 12V
REG 12V
TIMER REC
REC 12V
REC PROOF
EVER 12V
POWER OFF SIG
TP-16 BOARD
IC001 STK-5314 REGULATOR
IC001
REG GND
REG MUTE
REG ADJ
REG OUT
FILTER
REG IN
SYS OUT
SYS IN
SYS MUTE
SYS GND
RF BOOSTER MODULATOR
EVER 12V
GND
DR-1 BOARD CN5001(BLK)
SYS 12V IN
SYS 12V IN
SYS GND IN
SYS GND IN
C009 47 16V
F002 T4A
D304
D301
D303
D302
Q255 IZ3
R270 750
C270 10 16V
D251
C011 100 25V
C002 10000 25V
R025 3.3k
D251 RD13EB REG
R028 10k
Q011
D009
R026 27k
Q009
R023 33k
R006 10k
R004 100k
Q010
Q002
R027 100k
C020 4.7 25V
C021 0.01
R005 22k
C001 4700 25V
F001 T3.15A
D308
D305
D307
D306
CN002
16V AC (SYS)
16V AC (SYS)
16V AC (REG)
16V AC (REG)
R020 1k
D003
R015 10
D007
R017 10
D008
C007 22 160V
C010 330 25V
CN003
3V AC (B)
3V AC (A)
110V AC
+5V
GND
−20V
RED
BLU
YEL
BRN
GRY
WHT
VIO
T901 TRANS FORMER
BLU 220V
GRY 240V
S902 VOLTAGE SELECTOR
C101 0.1 250V
F101 T3.15A
LF-22 BOARD
MAINS SW S901
AC 220/240V 50Hz
Q255 2SC1061 REG
D301, D302, D303, D304 30D2FA
D008 RD11EB −12V REG
D003 1N4005
D007 1S1555
Q011 2SC2458 POWER CONT SW
Q009 2SC2458 POWER DELAY
Q002 2SC2458 POWER CONT SW
D305, D306, D307, D308 30D2FA
no mark : TC mode
TP-12 BOARD (1/2)

- All resistors are in ohms, ¼ W unless otherwise noted. k Ω = 1000 Ω; M Ω = 1000k Ω
- All capacitors are in μF unless otherwise noted. p : μμF 50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ▭ : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20kΩ/V).

When indicating parts by reference number, please include the board name.

The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

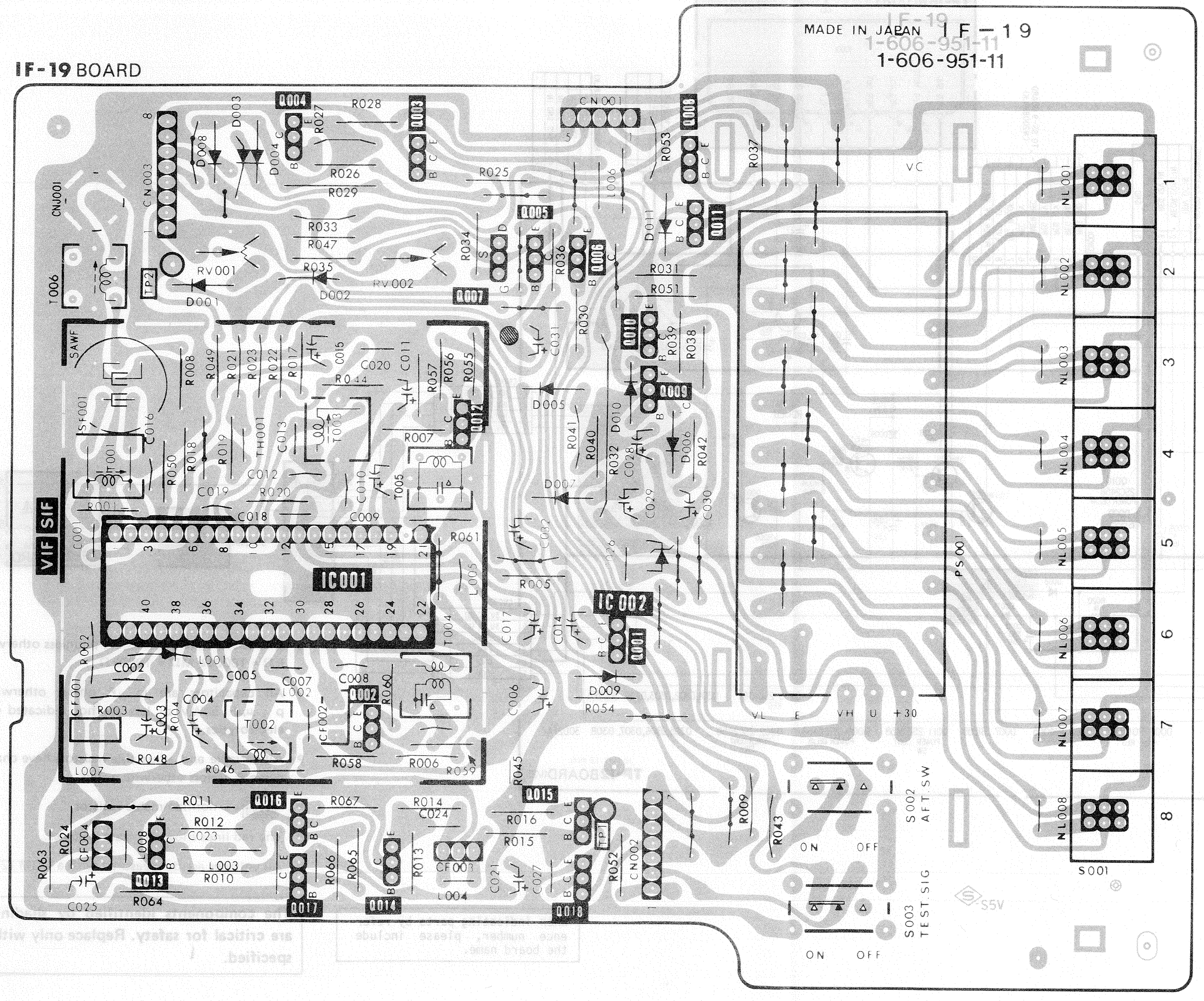
IF-19 (VIF, SIF, AFT, AGC BAND SELECTOR), MOUNTING DIAGRAM

– Ref. No. IF-19 BOARD : 3000 series –

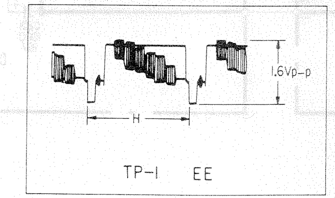
– Conductor Side –

Q, IC	013 IC001 004 016 017 002 014 003 012 007 005 006 015 001,IC002 018 010 009 008 011	Q, IC
D	001 008 003,004 002 005 007 009 010 011 006	D
ADJ	RV001 RV002	ADJ

IF-19 BOARD


MADE IN JAPAN
IF-19
1-606-951-11
CN001
CN002
CN003
CNJ001
VIF SIF
IC001
IC002
Q001
Q002
Q003
Q004
Q005
Q006
Q007
Q008
Q009
Q010
Q011
Q012
Q013
Q014
Q015
Q016
Q017
Q018
D001
D002
D003
D004
D005
D006
D007
D008
D009
D010
D011
RV001
RV002
SAWF
SF001
T001
T002
T003
T004
T005
T006
TH001
TP1
TP2
PS001
VC
VL
E
VH
U
+30
NL001
NL002
NL003
NL004
NL005
NL006
NL007
NL008
1
2
3
4
5
6
7
8
S001
S002 AFT SW
S003 TEST SIG
ON
OFF
S5V

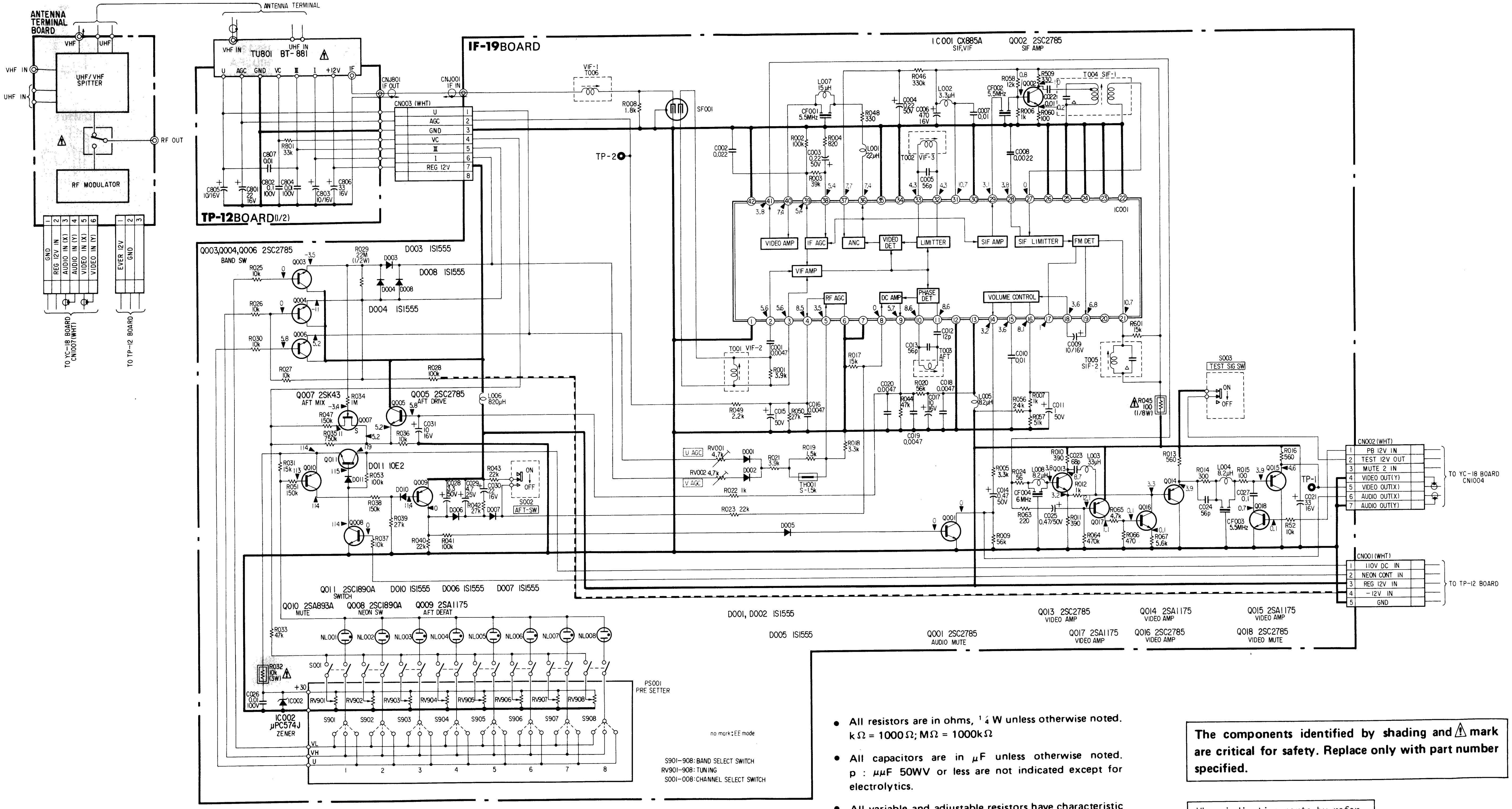
IF-19BOARD


1.6Vp-p
H
TP-1 EE

When indicating parts by reference number, please include the board name.

IF-19 (VIF, SIF, AFT, AGC BAND SELECTOR, TP-12 (POWER SUPPLY, TUNER) BOARDS SCHEMATIC DIAGRAM

– Ref. No. IF-19 BOARD : 3000 series, TP-12 BOARD : 4000 series –


ANTENNA TERMINAL BOARD
VHF IN
UHF IN
UHF/VHF SPITTER
RF MODULATOR
RF OUT
TO YC-18 BOARD CN1007(WHT)
TO TP-12 BOARD
ANTENNA TERMINAL
TU801 BT-881
TP-12BOARD(1/2)
IF-19BOARD
CN003 (WHT)
IC001 CX885A SIF,VIF
Q002 2SC2785 SIF AMP
SF001
TP-2
VIDEO AMP
IF AGC
ANC
VIDEO DET
LIMITTER
SIF AMP
SIF LIMITTER
FM DET
VIF AMP
RF AGC
DC AMP
PHASE DET
VOLUME CONTROL
Q003,Q004,Q006 2SC2785 BAND SW
Q007 2SK43 AFT MIX
Q005 2SC2785 AFT DRIVE
D011 10E2
S002 AFT-SW
S003 TEST SIG.SW
CN002 (WHT)
PB 12V IN
TEST 12V OUT
MUTE 2 IN
VIDEO OUT(Y)
VIDEO OUT(X)
AUDIO OUT(X)
AUDIO OUT(Y)
TO YC-18 BOARD CN1004
CN001 (WHT)
110V DC IN
NEON CONT IN
REG 12V IN
-12V IN
GND
TO TP-12 BOARD
Q011 2SC1890A SWITCH
D010 1S1555
D006 1S1555
D007 1S1555
Q010 2SA893A MUTE
Q008 2SC1890A NEON SW
Q009 2SA1175 AFT DEFAT
D001, D002 1S1555
D005 1S1555
Q013 2SC2785 VIDEO AMP
Q014 2SA1175 VIDEO AMP
Q015 2SA1175 VIDEO AMP
Q001 2SC2785 AUDIO MUTE
Q017 2SA1175 VIDEO AMP
Q016 2SC2785 VIDEO AMP
Q018 2SC2785 VIDEO MUTE
IC002 μPC574J ZENER
PS001 PRE SETTER
no mark:EE mode
S901-908:BAND SELECT SWITCH
RV901-908:TUNING
S001-008:CHANNEL SELECT SWITCH

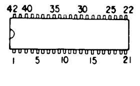
- All resistors are in ohms, ¼ W unless otherwise noted. kΩ = 1000Ω; MΩ = 1000kΩ
- All capacitors are in μF unless otherwise noted. p : μμF 50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ▭ : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20kΩ/V).

The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

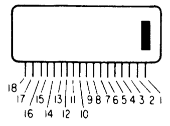
SEMICONDUCTORS

BA5102
CX885A
µPD553C167


42 40 35 30 25 22
1 5 10 15 21

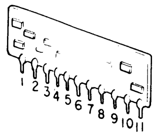
(Top view)

BX1017

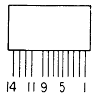

18
17 15 13 11 9 8 7 6 5 4 3 2 1
16 14 12 10

(Marking side view)

BX1018

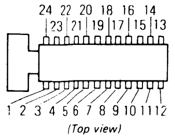

1 2 3 4 5 6 7 8 9 10 11

BX1020



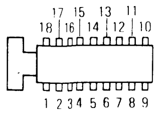
(Marking side view)

CX134A
CX135
CX136A
CX143A
CX186
CX186M
CX187
CX187M
CX832


24 22 20 18 16 14
23 21 19 17 15 13
1 2 3 4 5 6 7 8 9 10 11 12

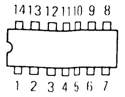
(Top view)

CX145


17 15 13 11
18 16 14 12 10
1 2 3 4 5 6 7 8 9

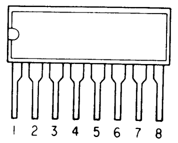
(Top view)

CX150B


14 13 12 11 10 9 8
1 2 3 4 5 6 7

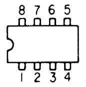
(Top view)

CX7926



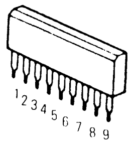
(Marking side view)

CX7942
M58478P
µPC4556C

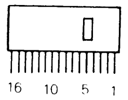


(Top view)

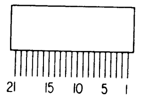
CX894



SP-21A

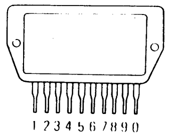


SP22B



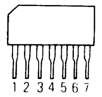
(Marking side view)

STK5314

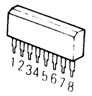

1 2 3 4 5 6 7 8 9 0

(Marking side view)

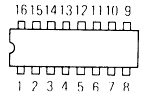
TA7120P



TA7320P

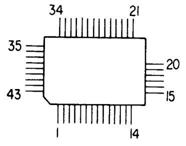


TC4528BP


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8

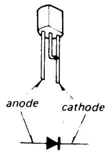
(Top view)

TCPH621AF6

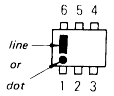

34
21
35
20
43
15
1
14

(Top view)

µPC574J

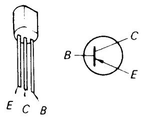

anode
cathode

CX130

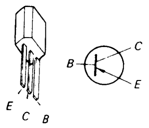

6 5 4
line
or
dot
1 2 3

(Top view)

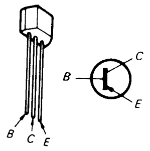
2SA1016K
2SA733
2SA773
2SA893A
2SA925
2SB739



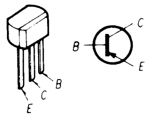
2SA1027R



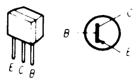
2SA1048
2SA1049



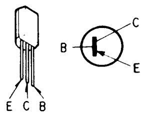
2SA1115



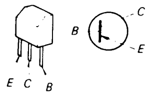
2SA1175



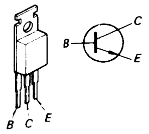
2SA844
2SB740



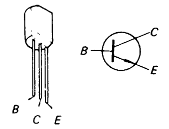
2SB733
2SB734



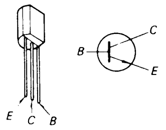
2SC1061



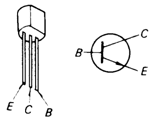
2SC1209



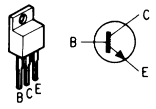
2SC1363
2SC1364



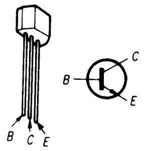
2SC1474
2SC1475
2SC1815
2SC1890A
2SC2362K
2SC2603
2SC945
2SD786
2SD788
JC501



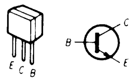
2SC2315
2SD313HP



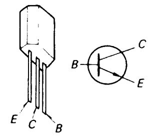
2SC2458
2SC2459



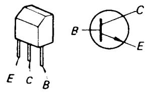
2SC2785



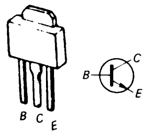
2SC2840
2SC403C
2SC403SP



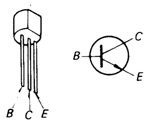
2SC535
2SD773
2SD774



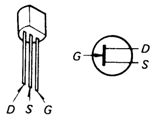
2SD1164



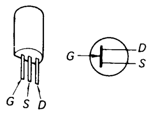
2SD355
2SD789



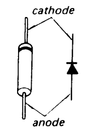
2SK152



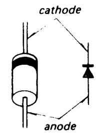
2SK43-2



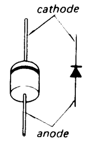
10E1
10E2
1S1555
1S2076
1S2473
1SS120
30D2FA
RD10EB1
RD10EB2
RD10EB3
RD11EB2
RD13EB1
RD13EB2
RD13EB3
RD3.9EL1
RD5.6EB2
RD5.6EB3
RD6.2EB2
RD6.2EB3
RD6.2EL1
RD7.5EB1
RD7.5EB2


cathode
anode

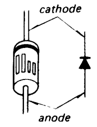
1N4005


cathode
anode

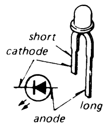
1SS119


cathode
anode

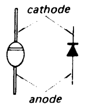
SIB01-06


cathode
anode

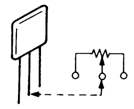
TLG123
TLR123
TLY123


short
cathode
long
anode

V06A
V06C
V06G
V09G

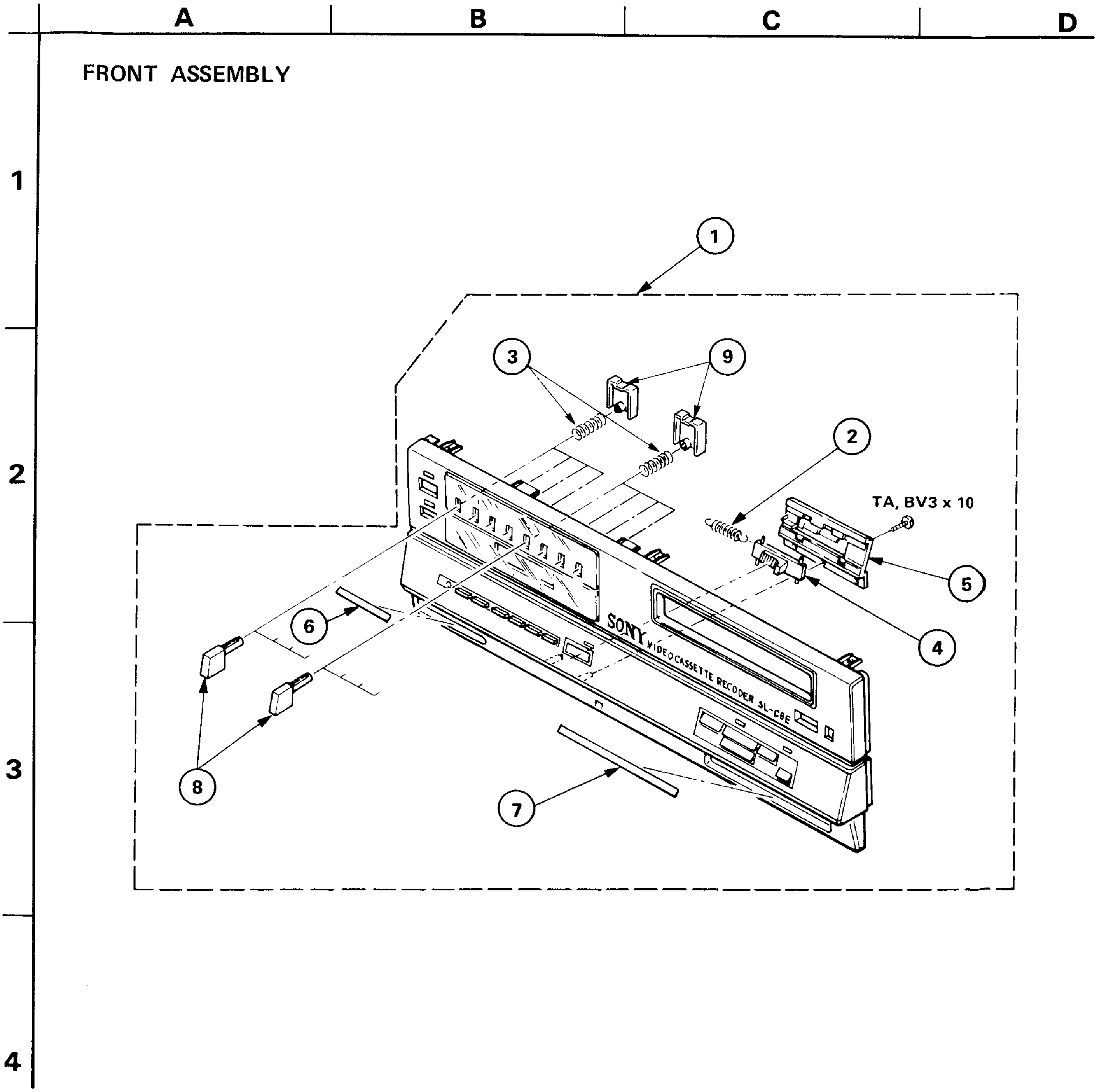

cathode
anode

DM101



SECTION 5
EXPLODED VIEWS

FRONT ASSEMBLY



No.	Part No	Description	Remark
1	X-3674-106-0	PANEL ASSY, FRONT	2,3,4,5,6,7,8,9
2	3-489-099-01	SPRING, TENSION	
3	3-659-609-00	SPRING, COMPRESSION	
4	3-671-110-11	BUTTON, REC	
5	♠:3-671-111-04	RETAINER, REC BUTTON	
6	3-674-104-00	LABEL (PAL), TRACK CONTROL	
7	3-674-102-00	LABEL (PAL), INPUT	
8	3-671-117-21	BUTTON, CHANNEL	
9	3-672-414-00	RETAINER (J), SPRING	

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
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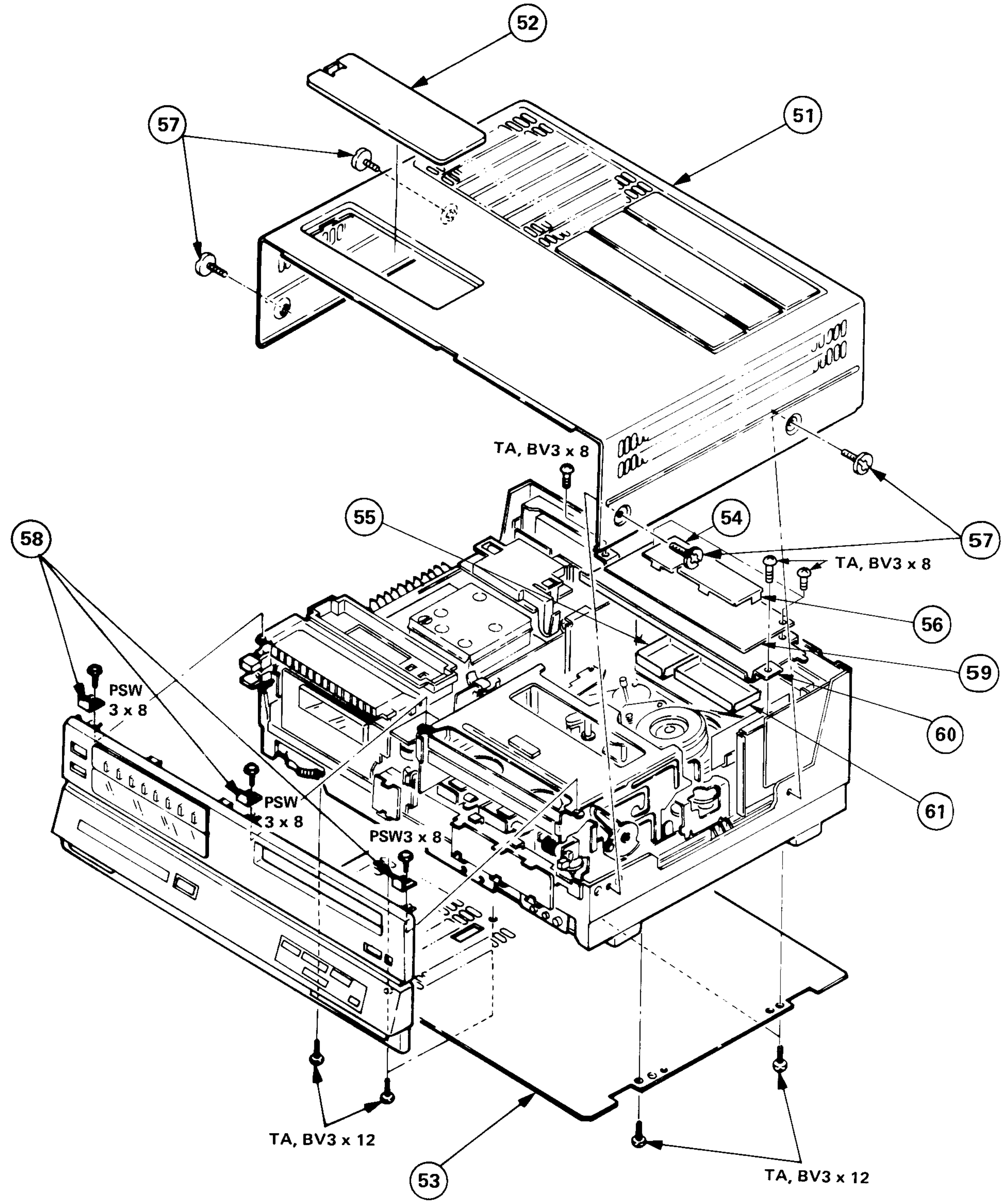
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

CABINET ASSEMBLY



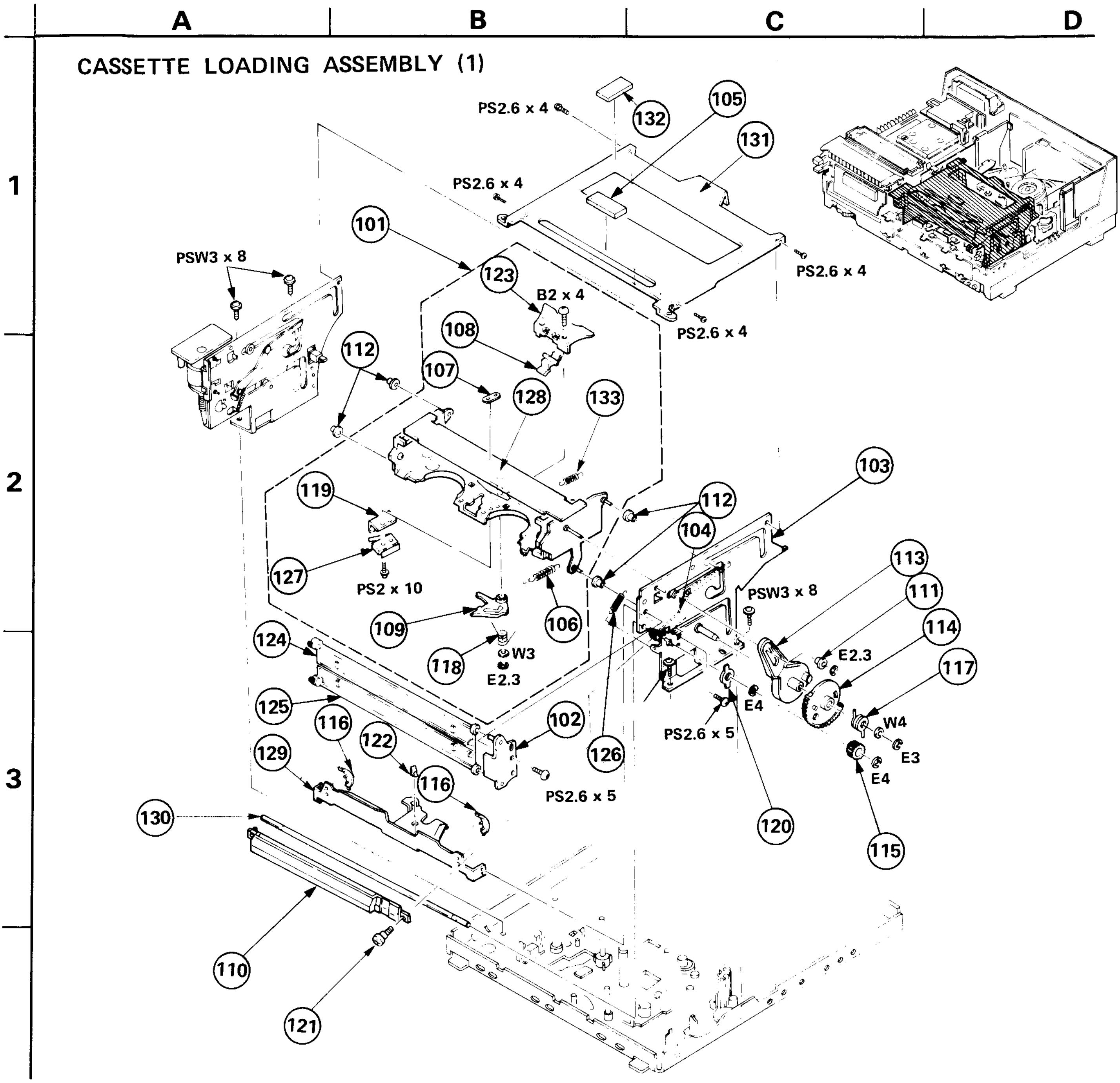
No.	Part No	Description	Remark
51	3-671-222-51	CASE	
52	X-3674-105-0	LID ASSY	
53	♦:3-671-210-00	PLATE, BOTTOM	
54	♦:3-674-136-00	CASE (C), SHIELD, AD	
55	♦:3-674-135-00	CASE (A), SHIELD, AD	
56	♦:3-674-138-00	CASE (F), SHIELD, AD	
57	4-847-802-11	SCREW, CASE STOPPER	
58	♦:3-671-276-02	WASHER, TYPE L	
59	♦:A-6728-417-A	AD-6 BOARD, COMPLETE	
60	♦:3-674-147-02	FRAME, AD	
61	♦:3-674-137-00	CASE (D), SHIELD, AD	

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

CASSETTE LOADING ASSEMBLY (1)


A
B
C
D
1
2
3
PS2.6 x 4
132
105
131
PS2.6 x 4
101
PSW3 x 8
123
B2 x 4
PS2.6 x 4
PS2.6 x 4
108
112
107
128
133
103
119
112
104
113
127
PS2 x 10
PSW3 x 8
111
109
106
114
124
118
W3
E2.3
E2.3
117
125
116
102
E4
W4
122
PS2.6 x 5
E3
129
126
116
E4
PS2.6 x 5
130
120
115
110
121

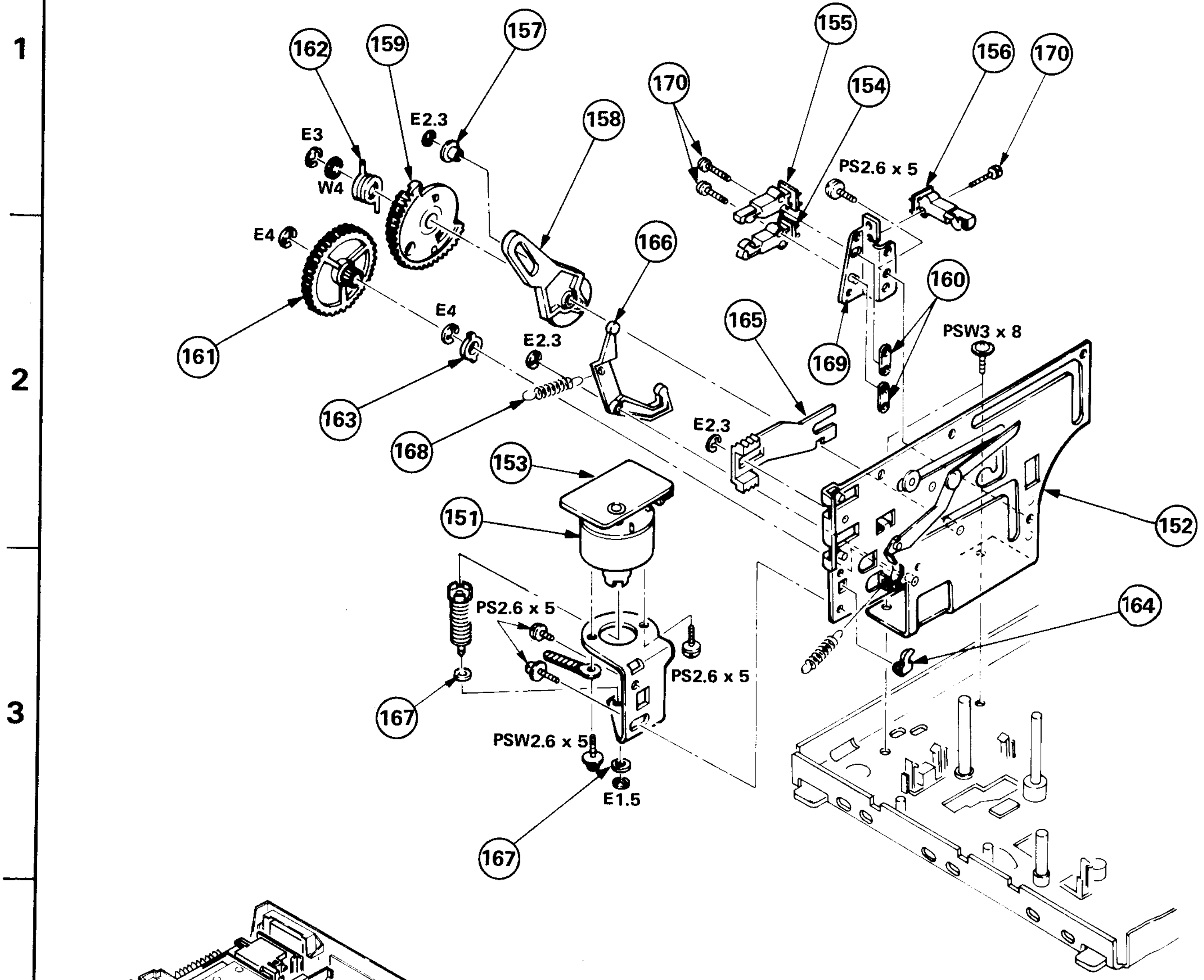
No.	Part No	Description	Remark
101	A-6751-125-B	BASE BLOCK ASSY, CASSETTE	106,107,108 109,118,119 123,128,133
102	♠:X-3671-016-0	PLATE ASSY, FULCRUM, DOOR	
103	♠:X-3671-032-0	PLATE ASSY, SIDE, RIGHT	104,126
104	9-910-999-33	PLATE ASSY, PREVENTION, RIGHT	
105	9-911-815-02	CUSHION	
106	3-530-249-XX	SPRING, TENSION	
107	♠:3-646-476-00	NUT, PLATE	
108	♠:3-671-008-00	ARM, LOCK RELEASE	
109	3-671-009-03	PLATE, LOCK	
110	3-671-015-21	DOOR, INNER	
111	♠:3-671-016-00	BUSHING, MOVE ARM	
112	3-671-018-00	ROLLER (B)	
113	♠:3-671-019-00	ARM, MOVE	
114	3-671-021-00	GEAR, MOVE, RIGHT	
115	3-671-026-00	WHEEL, RIGHT	
116	♠:3-671-036-00	CHIP, CASSETTE GUIDE	
117	3-671-040-00	SPRING	
118	3-671-041-00	SPRING	
119	♠:3-671-132-00	COVER, SWITCH, MICRO	
120	♠:3-671-134-00	BEARING	
121	3-671-148-00	SCREW, INNER DOOR	
122	♠:3-671-150-00	CLAMP	
123	♠:3-671-155-03	COVER, FULCRUM	
124	3-671-164-00	DOOR, UPPER	
125	3-671-165-00	DOOR, LOWER	
126	3-491-240-00	SPRING, TENSION	
127	1-552-665-00	SWITCH, MICRO	
128	♠:3-671-038-00	PLATE, TOP, BASE	
129	♠:3-671-158-00	JOINT	
130	♠:3-671-028-00	SHAFT, WHEEL	
131	♠:3-671-156-00	PLATE, TOP	
132	9-911-839-XX	RUBBER (B), ABSORBENT	
133	3-542-481-00	SPRING, TENSION	

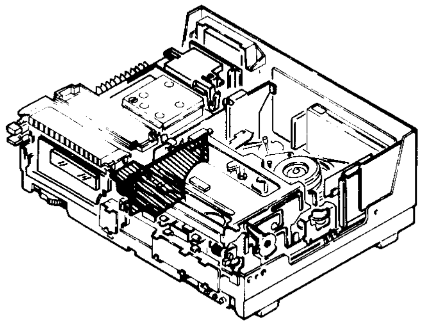
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

CASSETTE LOADING ASSEMBLY (2)


1
2
3
4
162
159
157
155
156
170
170
154
158
E2.3
E3
W4
E4
166
PS2.6 x 5
160
165
169
PSW3 x 8
161
E4
E2.3
163
168
E2.3
153
151
152
164
PS2.6 x 5
PS2.6 x 5
167
PSW2.6 x 5
E1.5
167



No.	Part No	Description	Remark
151	A-6751-131-A	MOTOR ASSY, F.L.	
152	♠:X-3671-031-0	PLATE ASSY, SIDE, LEFT	
153	♠:1-605-704-00	TT-5 BOARD	
154	♠:1-605-705-00	TT-2 BOARD	
155	♠:1-605-706-00	TT-3 BOARD	
156	♠:1-605-707-00	TT-4 BOARD	
157	♠:3-671-016-00	BUSHING, MOVE ARM	
158	♠:3-671-019-00	ARM, MOVE	
159	3-671-020-00	GEAR, MOVE, LEFT	
160	♠:3-671-023-00	PLATE, NUT	
161	3-671-027-00	WHEEL, WORM	
162	3-671-040-00	SPRING	
163	♠:3-671-134-00	BEARING	
164	♠:3-671-150-00	CLAMP	
165	3-671-157-00	RACK, DOOR	
166	♠:3-671-035-00	ARM, SWITCHING	
167	3-701-437-11	WASHER	
168	3-534-264-00	SPRING, TENSION	
169	♠:3-671-024-00	BRACKET, SWITCH	
170	3-672-442-01	SCREW, +PSW 2x10	

NOTE:
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- The construction parts of an assembled part are indicated with a collation number in the remark column.
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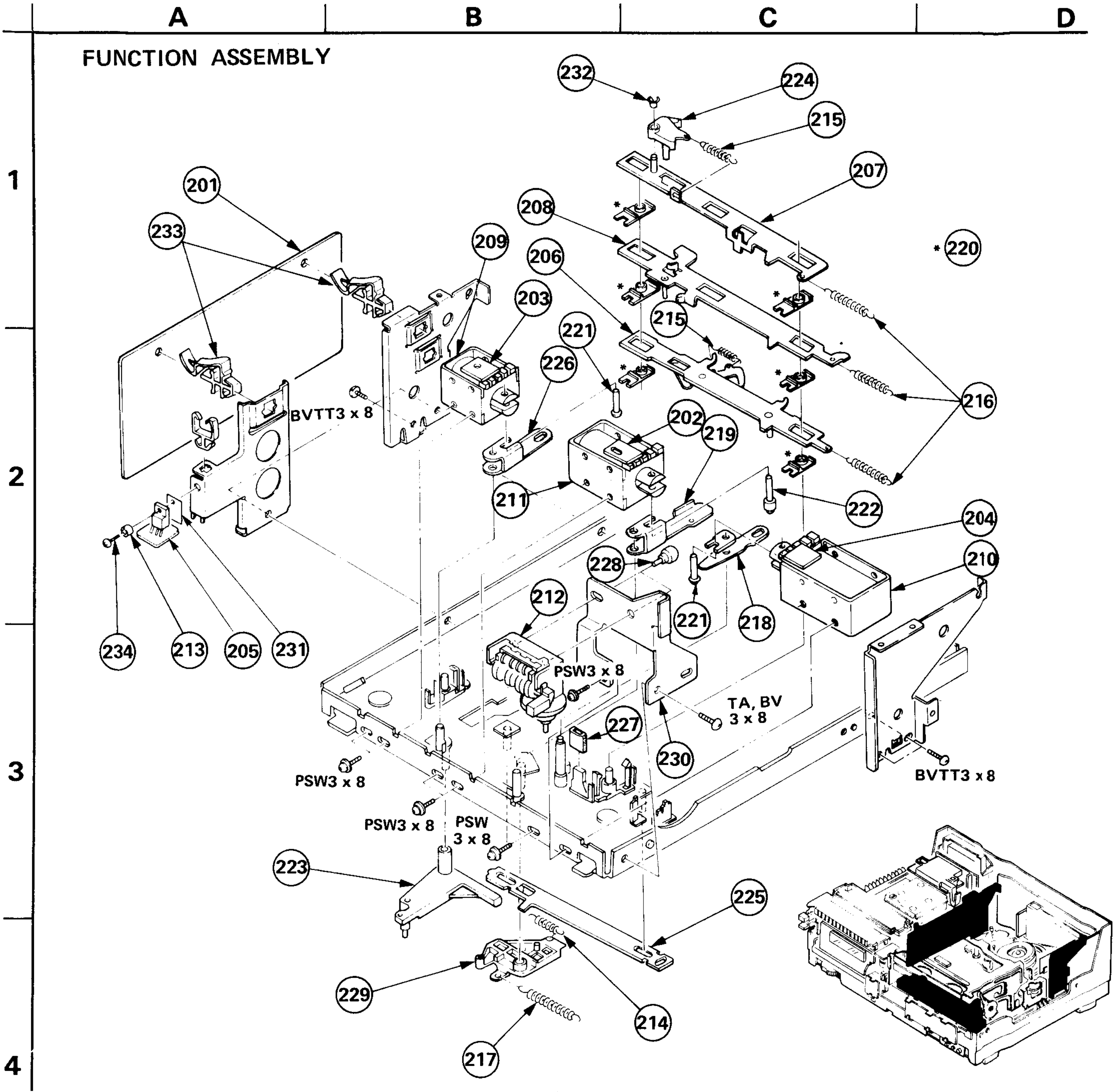
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

FUNCTION ASSEMBLY


A
B
C
D
1
2
3
4
232
224
215
207
201
208
233
209
206
220
203
221
215
226
216
202
219
BVTT3 x 8
211
222
204
228
210
212
221
218
234
213
205
231
PSW3 x 8
TA, BV
3 x 8
227
230
PSW3 x 8
BVTT3 x 8
PSW3 x 8
PSW
3 x 8
223
225
229
214
217

No.	Part No	Description	Remark
201	♠:A-6728-305-A	DR-1 BOARD, COMPLETE	
202	♠:1-605-698-00	DR-5 BOARD	
203	♠:1-605-699-00	DR-6 BOARD	
204	♠:1-605-700-00	DR-7 BOARD	
205	♠:1-605-703-00	DR-10 BOARD	
206	♠:X-3671-010-0	PLATE ASSY, SLIDE, FE	
207	♠:X-3671-011-0	PLATE ASSY, SLIDE, RO	
208	♠:X-3671-012-0	PLATE ASSY, SLIDE, BS	216
209	⚠.1-454-292-11	SOLENOID, PLUNGER (BS)	
210	⚠.1-454-293-11	SOLENOID, PLUNGER (FE)	
211	⚠.1-454-294-11	SOLENOID, PLUNGER (FF)	
212	1-548-559-00	COUNTER, TAPE	
213	2-832-007-00	BUSHING (K), INSULATING	
214	3-533-223-11	SPRING, TENSION	
215	3-642-490-00	SPRING, TENSION	
216	3-642-491-00	SPRING, TENSION	
217	3-643-345-00	SPRING, TENSION (S)	
218	♠:3-671-052-00	LEVER, FE	
219	♠:3-671-053-00	LEVER, FF	
220	3-671-056-00	SPACER, SLIDE PLATE	
221	♠:3-671-057-00	PIN, SOLENOID	
222	♠:3-671-057-11	PIN, SOLENOID	
223	♠:3-671-079-00	LEVER, EJECT	
224	♠:3-671-082-00	ARM, RO SELECT	
225	♠:3-671-083-00	PLATE, SLIDE, EJECT	
226	♠:3-671-088-00	LEVER, BS	
227	3-671-093-00	BUSHING, MUFFLE	
228	3-671-135-00	SCREW, STEP	
229	♠:3-671-175-00	LEVER, RELAY	
230	♠:3-671-188-00	BRACKET, COUNTER	
231	3-701-754-00	PLATE, INSULATING	
232	3-703-074-00	CAP 3, SHAFT	
233	♠:3-703-141-00	HOLDER, PCB	
234	3-669-607-21	+PSW (SMALL ROUND) (2.6)	

NOTE:

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- The construction parts of an assembled part are indicated with a collation number in the remark column.
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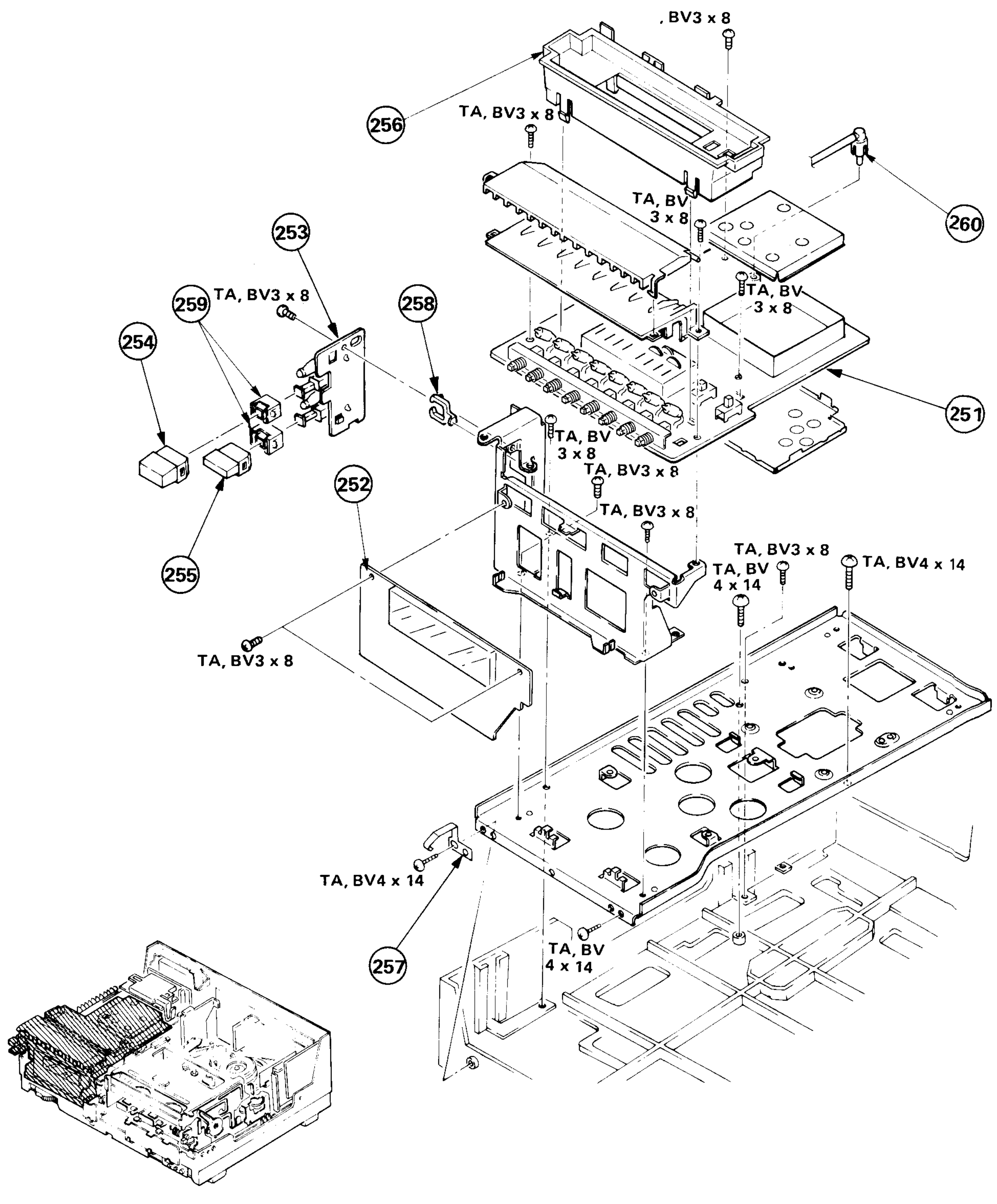
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

TUNER/TIMER ASSEMBLY


BV3 x 8
256
TA, BV3 x 8
260
TA, BV 3 x 8
253
259
TA, BV3 x 8
258
TA, BV 3 x 8
254
251
TA, BV 3 x 8
TA, BV3 x 8
252
TA, BV3 x 8
255
TA, BV3 x 8
TA, BV 4 x 14
TA, BV4 x 14
TA, BV3 x 8
TA, BV4 x 14
257
TA, BV 4 x 14

No.	Part No	Description	Remark
251	♠:A-6721-110-A	IF-19 BOARD, COMPLETE	
252	♠:1-606-944-00	TP-13 BOARD	
253	♠:1-606-945-00	TP-14 BOARD	
254	3-671-115-00	BUTTON, POWER SWITCH	
255	3-671-116-00	BUTTON, SWITCH, TIMER	
256	3-674-122-00	COVER, PRESET	
257	♠:3-671-254-00	SPRING, LEAF (A)	
258	♠:4-310-385-00	HOLDER, WIRE	
259	4-864-307-00	RING	
260	♠:1-555-400-00	CABLE, PIN	

NOTE:

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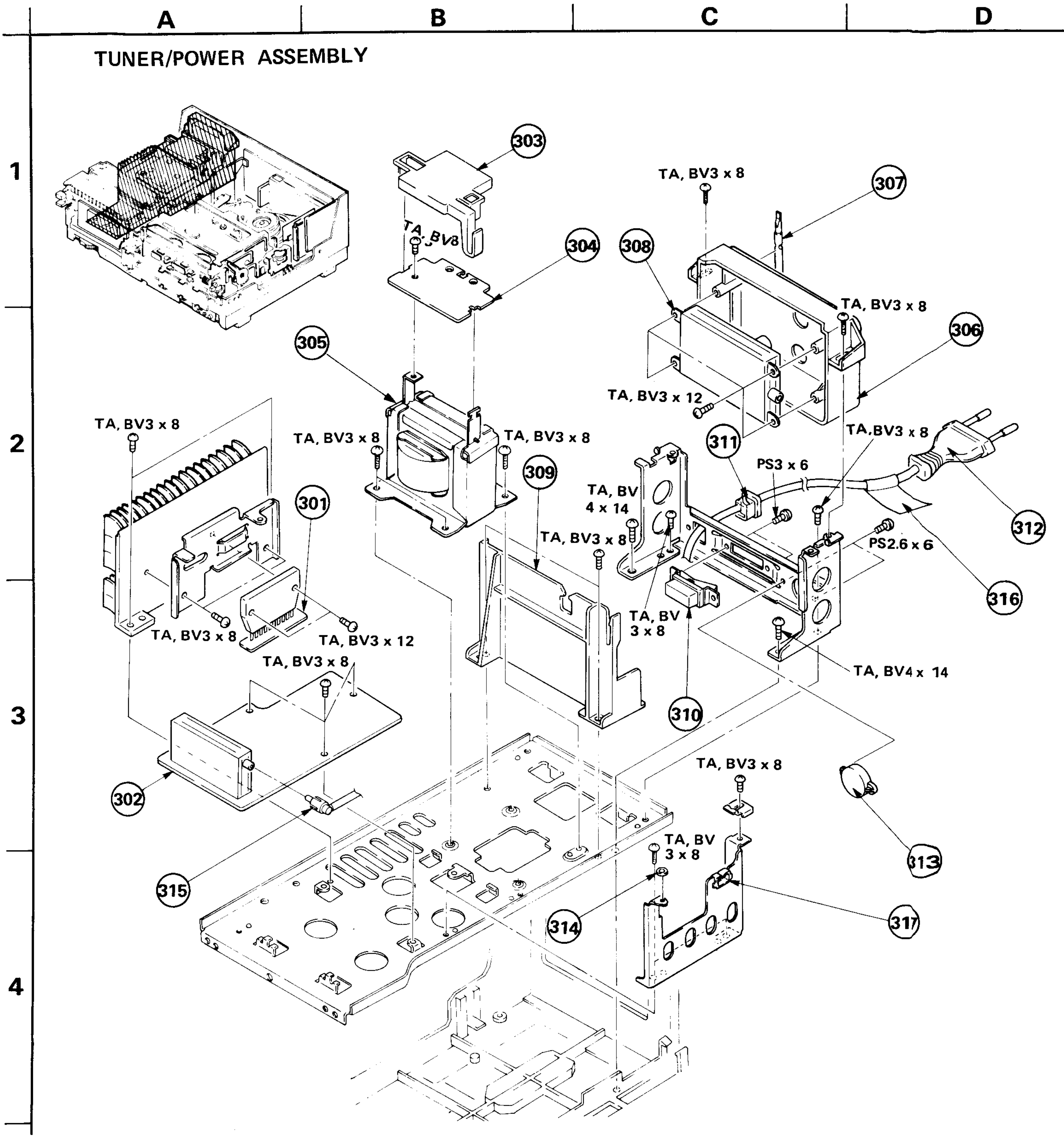
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identifie by shading and mark ⚠ ar critical for safety. Replace only with part number specified.

TUNER/POWER ASSEMBLY


A
B
C
D
1
2
3
4
303
TA, BV8
304
TA, BV3 x 8
307
308
TA, BV3 x 8
306
305
TA, BV3 x 12
TA, BV3 x 8
TA, BV3 x 8
TA, BV3 x 8
311
TA,BV3 x 8
309
PS3 x 6
301
TA, BV 4 x 14
312
TA, BV3 x 8
PS2.6 x 6
316
TA, BV 3 x 8
TA, BV3 x 8
TA, BV3 x 12
TA, BV3 x 8
TA, BV4 x 14
310
TA, BV3 x 8
302
TA, BV 3 x 8
313
315
314
317

No.	Part No	Description	Remark
301	♦:1-606-946-00	TP-16 BOARD	
302	♦:A-6728-409-A	TP-12 BOARD, COMPLETE	
303	♦:3-674-112-00	COVER, TERMINAL	
304	♦:1-606-949-00	LF-22 BOARD	
305	⚠.1-447-251-00	TRANSFORMER, PWOER	
306	3-674-124-00	PANEL	
307	4-316-238-00	SCREW DRIVER, CONTROL	
308	⚠.1-464-189-00	MODULATOR, RF (RBM-210-E)	
309	♦:3-674-125-00	PLATE, SHIELD	
310	⚠.1-554-055-00	SWITCH, SEESAW (AC POWER)	
311	⚠.3-703-244-00	BUSHING, CORD	
312	⚠.1-534-817-XX	CORD, POWER	
313	⚠.1-554-038-00	SWITCH, POWER VOLTAGE CHANGE	
314	4-308-030-00	WASHER	
315	♦:1-555-716-41	CABLE, PIN	
316	3-674-146-00	LABEL, CAUTION, AC CORD	
317	♦:4-310-385-00	HOLDER, WIRE	

NOTE:

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- The construction parts of an assembled part are indicated with a collation number in the remark column.
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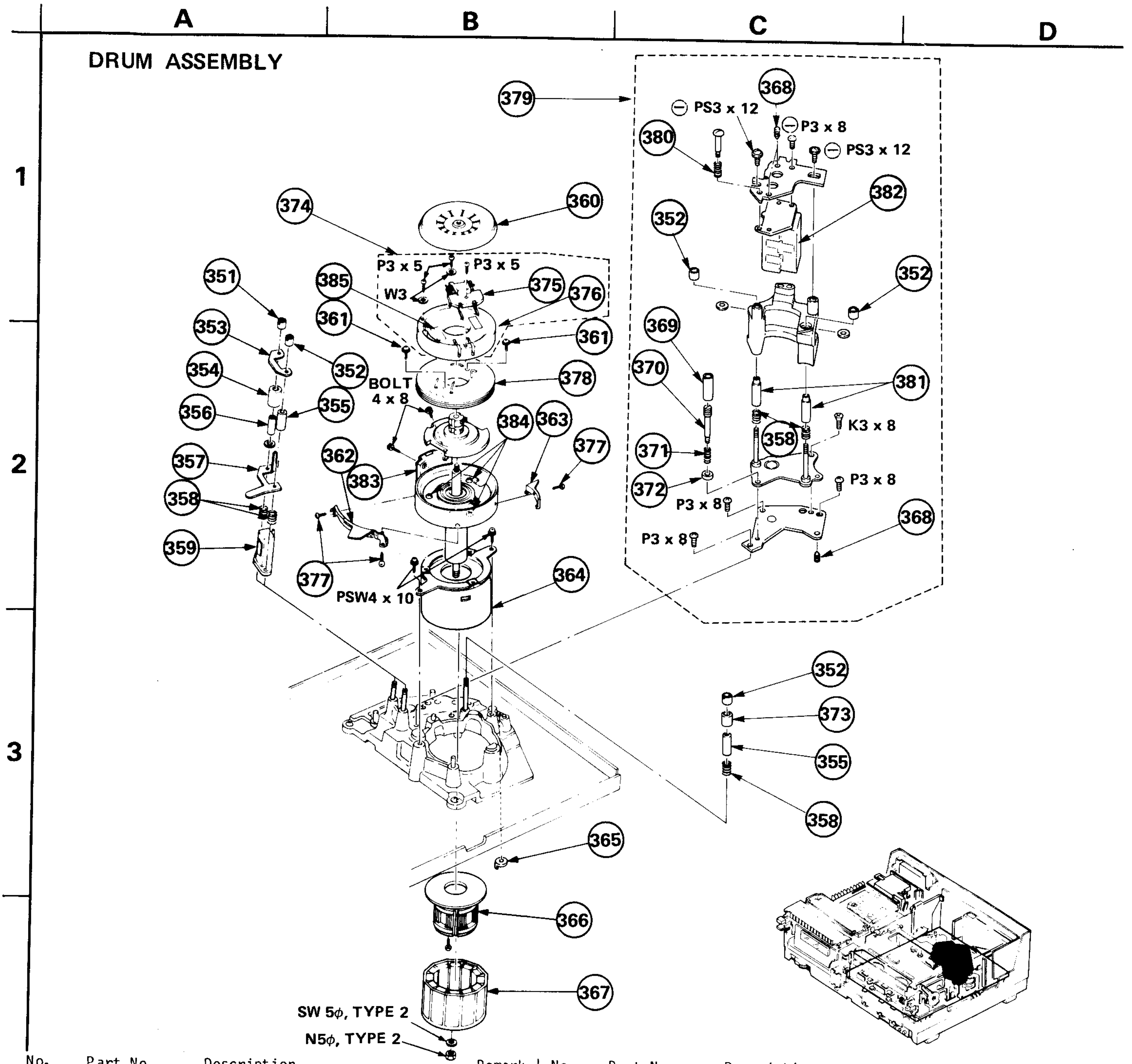
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

DRUM ASSEMBLY


A
B
C
D
1
2
3
379
368
⊖ PS3 x 12
⊖P3 x 8
⊖ PS3 x 12
380
382
374
360
352
P3 x 5
P3 x 5
W3
351
385
375
376
352
353
361
361
369
354
352
BOLT
4 x 8
378
370
381
356
355
K3 x 8
384
363
358
377
371
362
357
383
P3 x 8
372
358
P3 x 8
368
P3 x 8
359
364
377
PSW4 x 10
352
373
355
358
365
366
367
SW 5φ, TYPE 2
N5φ, TYPE 2

No.	Part No	Description	Remark
351	3-659-345-00	NUT, GUIDE, NO.1	
352	3-660-997-00	NUT (N), GUIDE ADJUSTMENT	
353	3-659-344-00	PLATE, GUIDE, ENTRANCE	
354	X-3659-304-0	ROLLER ASSY, GUIDE, NO.1	
355	3-659-342-00	SLEEVE, GUIDE, NO.2	
356	3-659-341-00	SLEEVE, GUIDE, NO.1	
357	♠:3-659-343-00	BRACKET, TAPE, ENTRANCE	
358	3-659-324-00	SPRING, COMPRESSION	
359	8-825-687-30	HEAD, FULL ERASE EF182-21	
360	3-658-122-00	FAN	
361	3-652-751-00	SCREW (+ P EXT TOOTH W S 3x8)	
362	3-652-741-00	BRACKET (A), TAPE	
363	3-652-728-00	BRACKET (B), TAPE	
364	♠:X-3652-713-0	CASE ASSY, SHIELD	
365	3-610-939-50	NUT, TAPE GUIDE	
366	X-2619-403-0	STATOR ASSY	
367	♠:X-2619-402-0	ROTOR ASSY	
368	3-659-332-00	SCREW	
369	3-659-752-00	NUT, A.C.E ROCK	
370	3-659-751-00	SCREW, A.C.E ADJUSTMENT	
371	3-659-750-00	SPRING, COMPRESSION	
372	♠:3-671-121-00	SPACER, SCREW, ADJUSTMENT	
373	3-659-716-00	FLANGE, GUIDE	
374	A-6760-050-A	DRUM SUB ASSY, UPPER	375,376
375	A-6761-013-B	SPRING ASSY	
376	♠:3-652-774-00	DRUM, UPPER	
377	3-662-910-00	SCREW (IRIS) + P 3x8	
378	A-6762-035-A	DRUM ASSY, ROTARY (DSR-08)	
379	A-6761-046-A	ACE ASSY	352,358,368,369,370 371,372,380,381,382
380	3-645-513-00	SPRING, HEAD DECK ADJUSTMENT	
381	3-645-562-00	NUT	
382	8-825-530-20	HEAD, ACE (EPP235-2102)	
383	♠:3-652-725-00	BOARD, SHIELD	
384	3-652-750-00	SCREW (+ PSW SMALL 3x12)	
385	♠:3-662-101-00	LABEL, MODEL NUMBER	

NOTE:

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- The construction parts of an assembled part are indicated with a collation number in the remark column.
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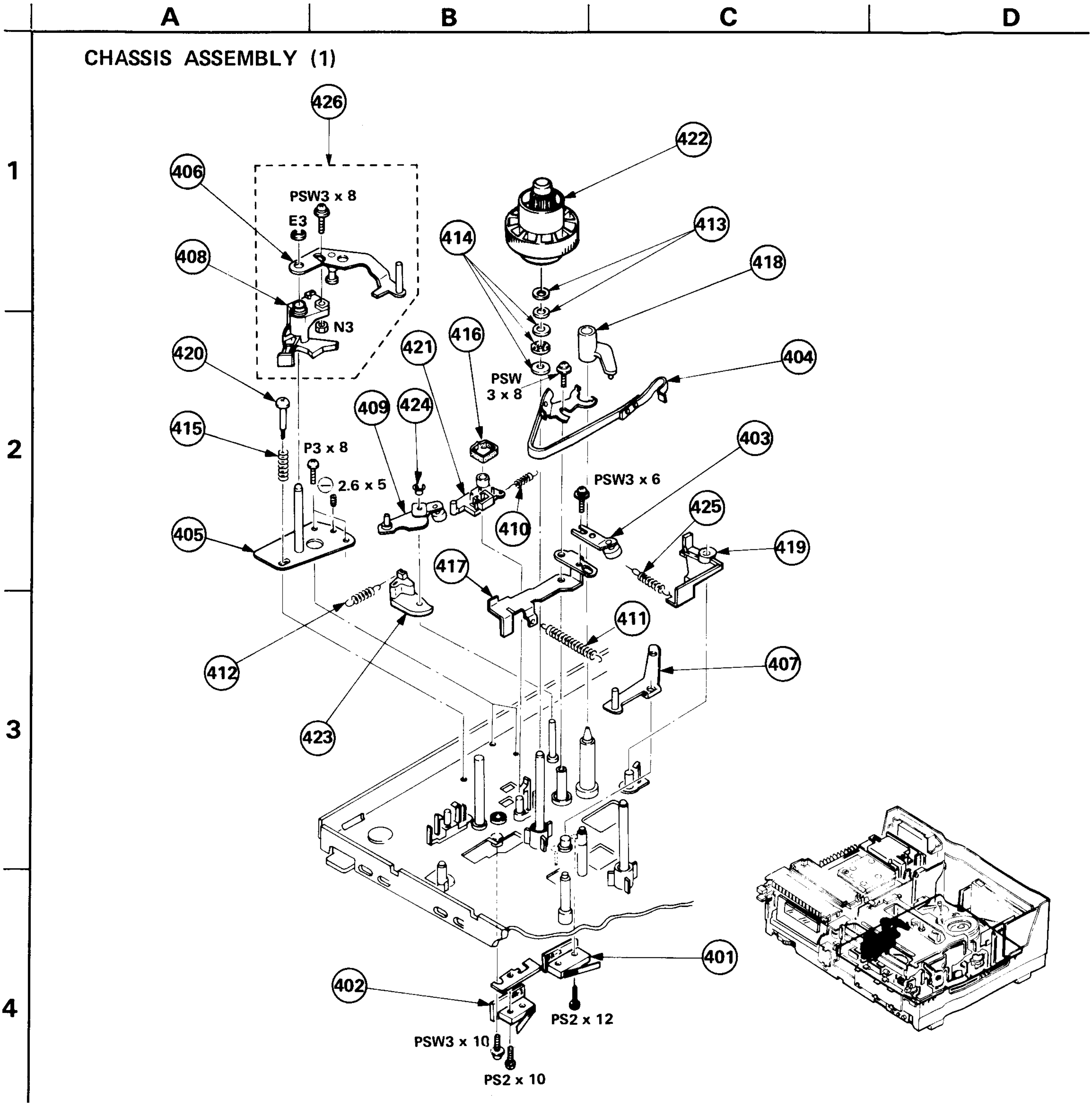
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

CHASSIS ASSEMBLY (1)


A
B
C
D
1
2
3
4
426
422
406
PSW3 x 8
E3
413
414
408
418
N3
420
421
416
404
PSW
3 x 8
409
424
415
403
P3 x 8
PSW3 x 6
2.6 x 5
410
425
405
419
417
411
412
407
423
401
402
PS2 x 12
PSW3 x 10
PS2 x 10

No.	Part No	Description	Remark
401	♠:1-605-695-00	DR-2 BOARD	
402	♠:1-605-696-00	DR-3 BOARD	
403	X-3659-323-0	PLATE ASSY, ADJUSTMENT, R	
404	X-3659-328-2	BAND ASSY, TENSION REGULATOR	
405	♠:X-3671-006-0	PLATE ASSY, ADJUSTMENT	
406	♠:X-3671-007-0	PLATE ASSY, ARM	
407	♠:X-3671-021-0	LINK ASSY, FWD	
408	♠:X-3671-038-0	ARM ASSY, TENSION REGULATOR	
409	♠:X-3671-042-0	LEVER ASSY, PUSH-OUT	
410	3-534-217-00	SPRING, TENSION	
411	3-536-249-00	SPRING, TENSION	
412	3-646-138-00	SPRING	
413	3-646-184-00	SPACER	
414	3-646-185-00	BEARING	
415	3-652-413-00	SPRING, COMPRESSION	
416	3-659-446-00	LINING, BRAKE	
417	♠:3-671-062-00	ARM, RING	
418	♠:3-671-091-02	CAM, FWD	
419	♠:3-671-101-00	LEVER (E), SWITCH	
420	3-671-143-00	SCREW, ADJUSTMENT	
421	3-671-149-00	BRAKE, S	
422	X-3671-054-0	TABLE ASSY, S REEL	
423	♠:3-671-184-02	LINK, TENSION, REGULATOR	
424	3-703-074-00	CAP 3, SHAFT	
425	4-847-561-00	SPRING, TENSION	
426	♠:A-6742-040-A	UNIT SUB ASSY	406,408

NOTE:
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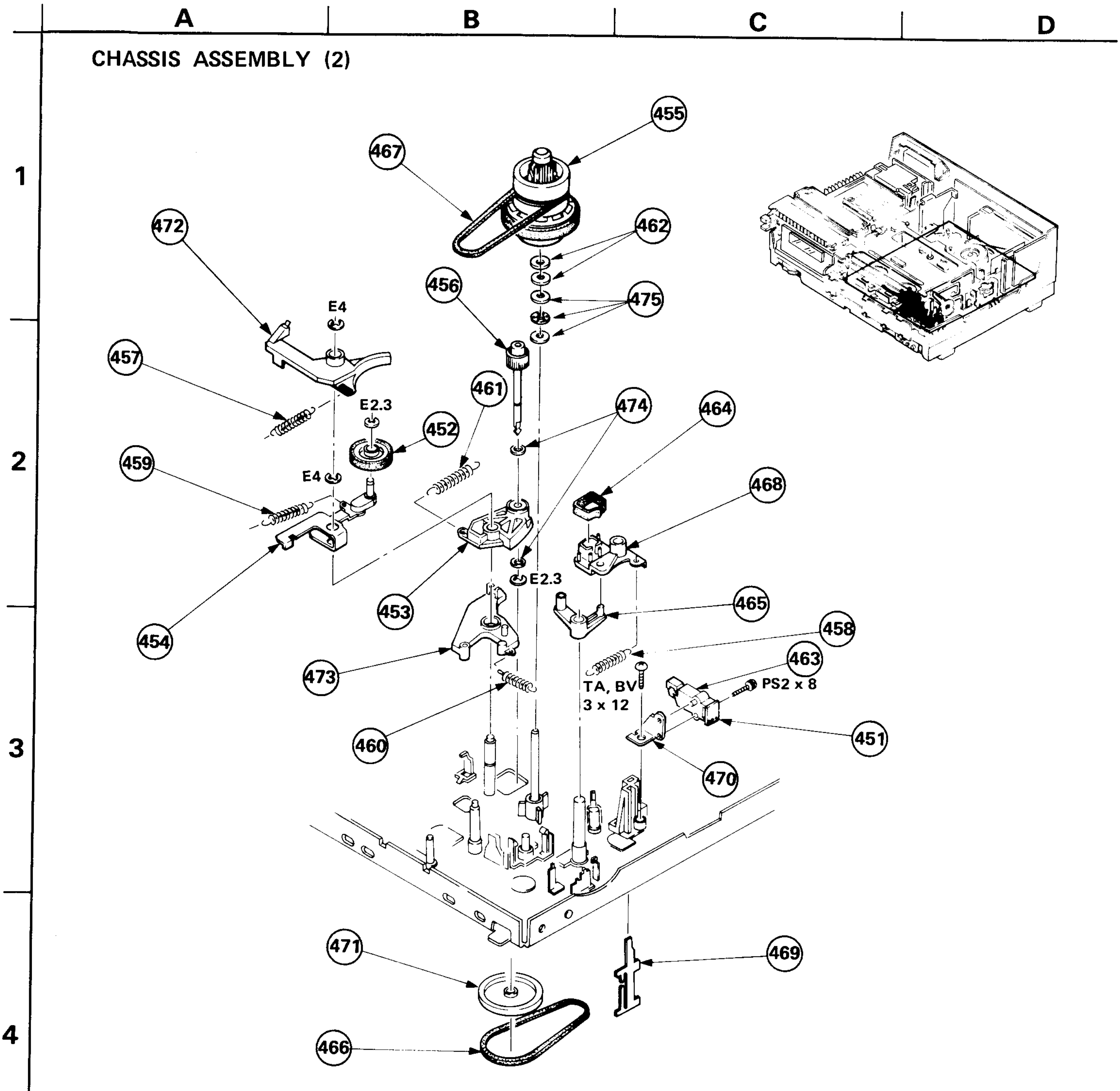
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

CHASSIS ASSEMBLY (2)



No.	Part No	Description	Remark
451	♠:1-605-697-00	DR-4 BOARD	
452	X-3653-315-0	IDLER ASSY	
453	♠:X-3671-002-2	ARM ASSY, FF	
454	♠:X-3671-003-0	ARM ASSY, REW	
455	X-3671-053-0	TABLE ASSY, T REEL	
456	X-3671-023-3	PULLEY (SMALL) ASSY, FF	
457	3-143-096-00	SPRING, TENSION	
458	3-534-217-00	SPRING, TENSION	
459	3-567-110-00	SPRING, TENSION	
460	3-642-633-00	SPRING, TENSION	
461	3-645-168-00	SPRING, TENSION	
462	3-646-184-00	SPACER	
463	1-553-847-00	SWITCH, LEVER	
464	3-659-446-00	LINING, BRAKE	
465	♠:3-671-055-00	ARM, TB	
466	3-671-077-00	BELT, FF	
467	3-671-094-00	BELT, COUNTER	
468	3-671-102-00	BRAKE, T	
469	♠:3-671-107-00	PLATE, ERASING PROTECTION	
470	♠:3-671-108-00	BRACKET, SWITCH	
471	3-671-170-00	PULLEY (LARGE), FF	
472	♠:3-671-173-00	ARM, BRAKE, SOFT	
473	♠:3-671-179-00	ARM, LIMITER, FF	
474	3-701-439-21	WASHER	
475	3-646-185-00	BEARING	

NOTE:
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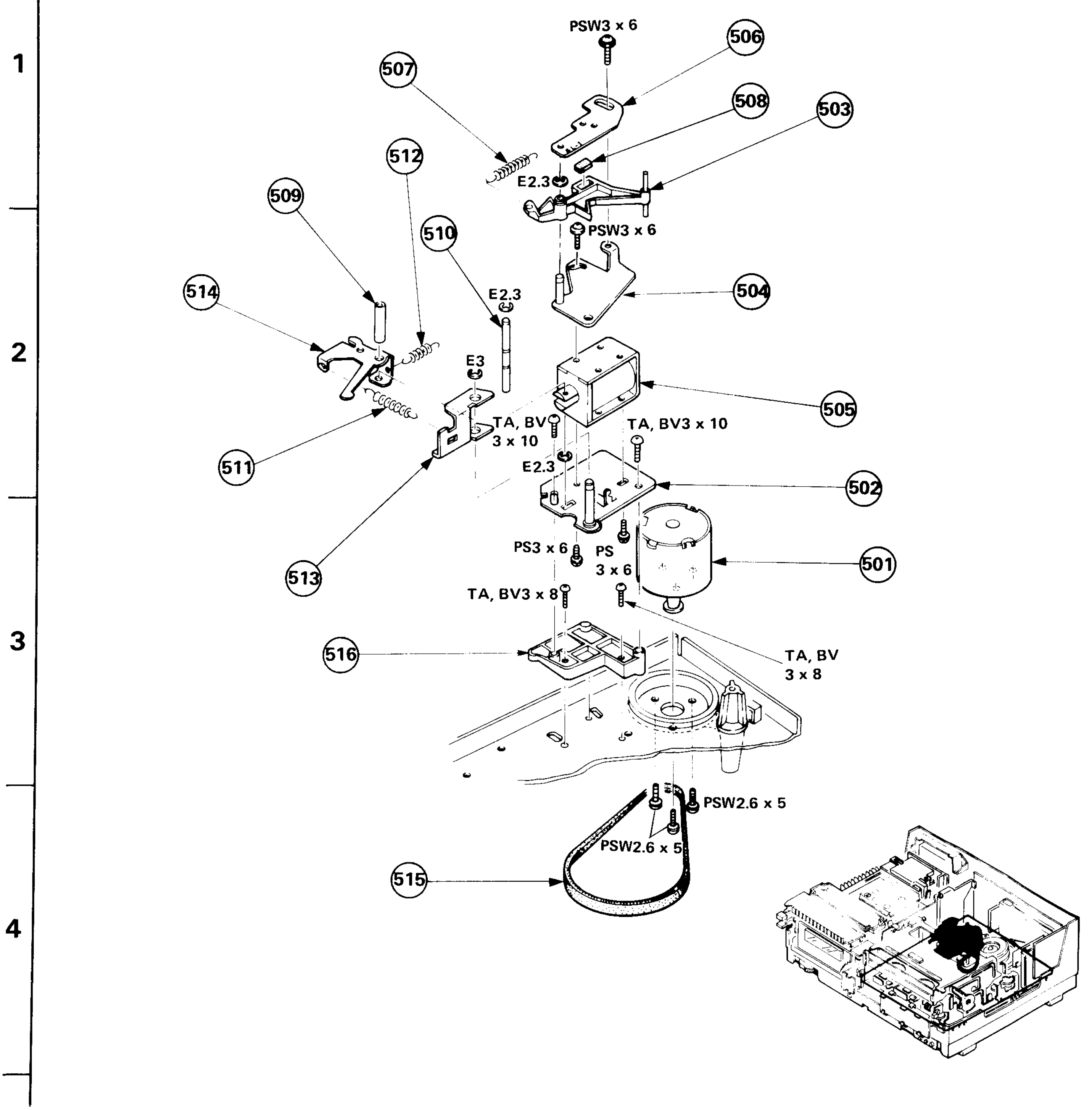
CHASSIS ASSEMBLY (3)


A
B
C
D
1
2
3
4
PSW3 x 6
506
507
508
503
512
E2.3
509
510
PSW3 x 6
514
E2.3
504
E3
505
TA, BV 3 x 10
TA, BV3 x 10
511
E2.3
502
PS3 x 6
PS 3 x 6
501
513
TA, BV3 x 8
516
TA, BV 3 x 8
PSW2.6 x 5
PSW2.6 x 5
515

No.	Part No	Description	Remark
501	8-835-070-11	MOTOR, DC	
502	🌢:X-3671-008-0	BASE ASSY, SOLENOID, PINCH	
503	X-3659-310-4	ARM ASSY, DETECTION, SLACK	
504	X-3671-046-5	BASE ASSY, SLACK DETECTION	
505	⚠.1-454-295-00	SOLENOID, PLUNGER (PINCH)	
506	🌢:A-6728-304-A	SL-1 BOARD, COMPLETE	
507	3-642-490-00	SPRING, TENSION	
508	3-646-571-00	MAGNET	
509	🌢:3-658-194-00	SPACER (4-25)	
510	🌢:3-659-780-00	PIN, LEVER, PINCH PRESS	
511	3-659-784-00	SPRING, TENSION	
512	3-659-785-00	SPRING, TENSION	
513	🌢:3-671-063-00	LEVER (A), PRESS, PINCH	
514	🌢:3-671-064-00	LEVER (B), PRESS, PINCH	
515	3-659-351-00	BELT, CAPSTAN	
516	🌢:3-671-186-00	BASE, SOLENOID, PINCH	

NOTE:

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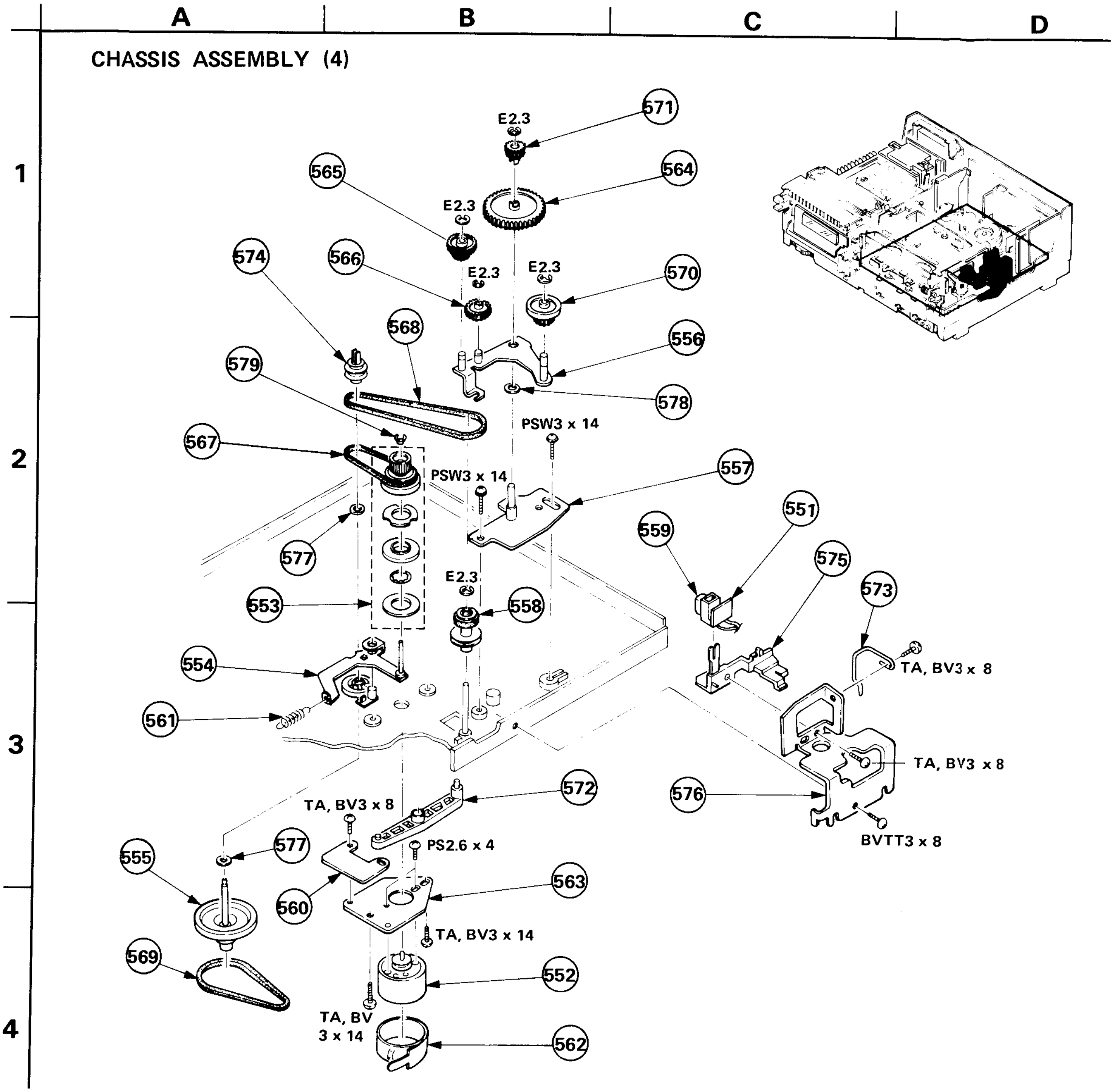
CHASSIS ASSEMBLY (4)


A
B
C
D
1
2
3
4
571
E2.3
565
564
E2.3
574
566
E2.3
E2.3
570
568
556
579
578
PSW3 x 14
567
PSW3 x 14
557
551
559
577
575
E2.3
573
553
558
554
TA, BV3 x 8
561
TA, BV3 x 8
572
576
TA, BV3 x 8
BVTT3 x 8
577
PS2.6 x 4
555
563
560
TA, BV3 x 14
569
552
TA, BV
3 x 14
562

No.	Part No	Description	Remark
551	♠:1-605-702-00	DR-9 BOARD	
552	A-6737-101-A	MOTOR ASSY, REEL	
553	A-6740-072-A	RIMITTER ASSY, FWD	577
554	♠:X-3671-001-0	ARM ASSY, FWD	
555	X-3671-005-0	PULLEY (LARGE) ASSY, RELAY	
556	♠:X-3671-013-0	LEVER ASSY, GEAR	
557	♠:X-3671-014-0	BASE ASSY, GEAR	
558	X-3671-015-0	PULLEY ASSY, LOADING	
559	1-543-145-00	HEAD, SENSING	
560	♠:A-6728-315-A	FL-2 BOARD, COMPLETE	
561	3-642-483-00	SPRING, TENSION	
562	♠:3-664-333-00	PLATE, SHIELD, MOTOR	
563	♠:3-671-060-00	BRACKET, MOTOR	
564	3-671-069-00	GEAR (B), THREADING	
565	3-671-070-00	GEAR (D), THREADING	

No.	Part No	Description	Remark
566	3-671-071-00	GEAR (E), THREADING	
567	3-671-078-00	BELT, FWD	
568	3-671-098-00	BELT, THREADING	
569	3-671-120-00	BELT, RELAY	
570	3-671-126-00	GEAR (C), THREADING	
571	3-671-127-00	GEAR (A), THREADING	
572	♠:3-671-129-00	ARM, CHANGE	
573	♠:3-671-131-00	ARM, REMOVAL, ELECTROSTATIC	
574	3-671-171-00	PULLEY (SMALL), RELAY	
575	♠:3-671-174-00	HOLDER, SENSOR, T	
576	♠:3-671-180-00	LID OPEN	
577	3-701-443-11	WASHER	
578	3-701-443-21	WASHER, 5	
579	3-703-075-00	CAP 2, SHAFT	

NOTE:

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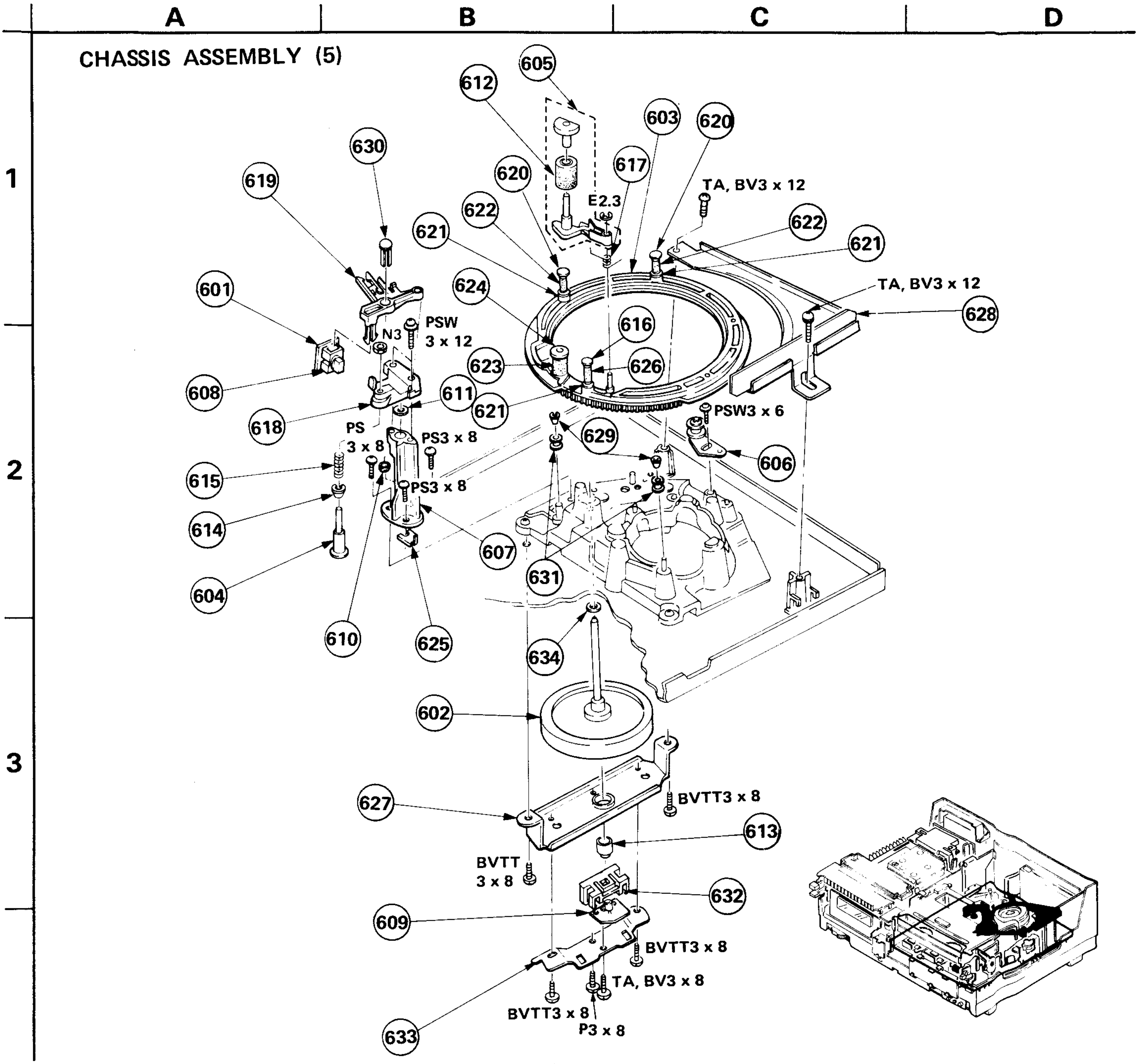
CHASSIS ASSEMBLY (5)


A
B
C
D
1
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605
612
603
620
630
617
619
620
TA, BV3 x 12
E2.3
622
622
621
621
TA, BV3 x 12
601
624
628
PSW
3 x 12
N3
616
623
626
608
611
621
PSW3 x 6
618
PS
3 x 8
PS3 x 8
629
606
615
PS3 x 8
614
607
631
604
610
625
634
602
BVTT3 x 8
627
613
BVTT
3 x 8
632
609
BVTT3 x 8
TA, BV3 x 8
BVTT3 x 8
P3 x 8
633

No.	Part No	Description	Remark
601	♠:1-605-701-00	DR-8 BOARD	
602	A-6737-106-A	CAPSTAN BLOCK ASSY	
603	A-6750-135-A	RING BLOCK ASSY, THREADING	605,616,617 620,621,622 623,624,626
604	X-3659-308-0	GUIDE ASSY, NO.0	
605	X-3659-337-0	ARM ASSY, PINCH ROLLER	612
606	♠:X-3664-337-0	SUPPORT ASSY, RING ROLLER	
607	X-3674-101-0	HOUSING ASSY, CAPSTAN	
608	1-543-145-00	HEAD, SENSING	
609	♠:1-605-708-00	FG-2 BOARD	
610	3-646-182-00	CAP, OIL	
611	3-646-183-00	ABSORBER, CAPSTAN OIL	
612	X-365-251-03	PINCH ROLLER ASSY	
613	3-659-314-00	RETAINER, THRUST	
614	3-659-337-00	FLANGE, NO.0 GUIDE UPPER	
615	3-659-338-00	SPRING, COMPRESSION	
616	♠:3-659-385-00	CAP (LARGE), GUIDE ROLLER	
617	3-659-388-00	SPRING	
618	3-659-551-00	FRAME, GUIDE, NO.0	
619	♠:3-659-632-00	HOLDER, S SENSOR	
620	♠:3-659-643-00	CAP(SMALL)(UPPER), GUIDE ROLLER	
621	♠:3-659-644-00	CAP(SMALL)(LOWER), GUIDE ROLLER	
622	♠:3-659-645-00	ROLLER (SMALL), GUIDE	
623	♠:3-659-646-00	ROLLER (LARGE), GUIDE	
624	♠:3-659-647-00	CAP(LARGE)(UPPER), GUIDE ROLLER	
625	3-659-759-11	SPACER, CAPSTAN	
626	♠:3-660-912-00	ROLLER, PRECEDING GUIDE	
627	♠:3-671-191-00	RETAINER, CAPSTAN	
628	♠:3-672-402-00	PLATE, GUIDE	
629	3-703-074-00	CAP 3, SHAFT	
630	4-829-039-00	RIVET, NYLON	
631	3-659-391-00	ROLLER, RING	
632	3-658-161-00	HOLDER, DME	
633	♠:3-659-313-00	PLATE, ADJUSTMENT, DME	
634	3-701-441-21	WASHER	

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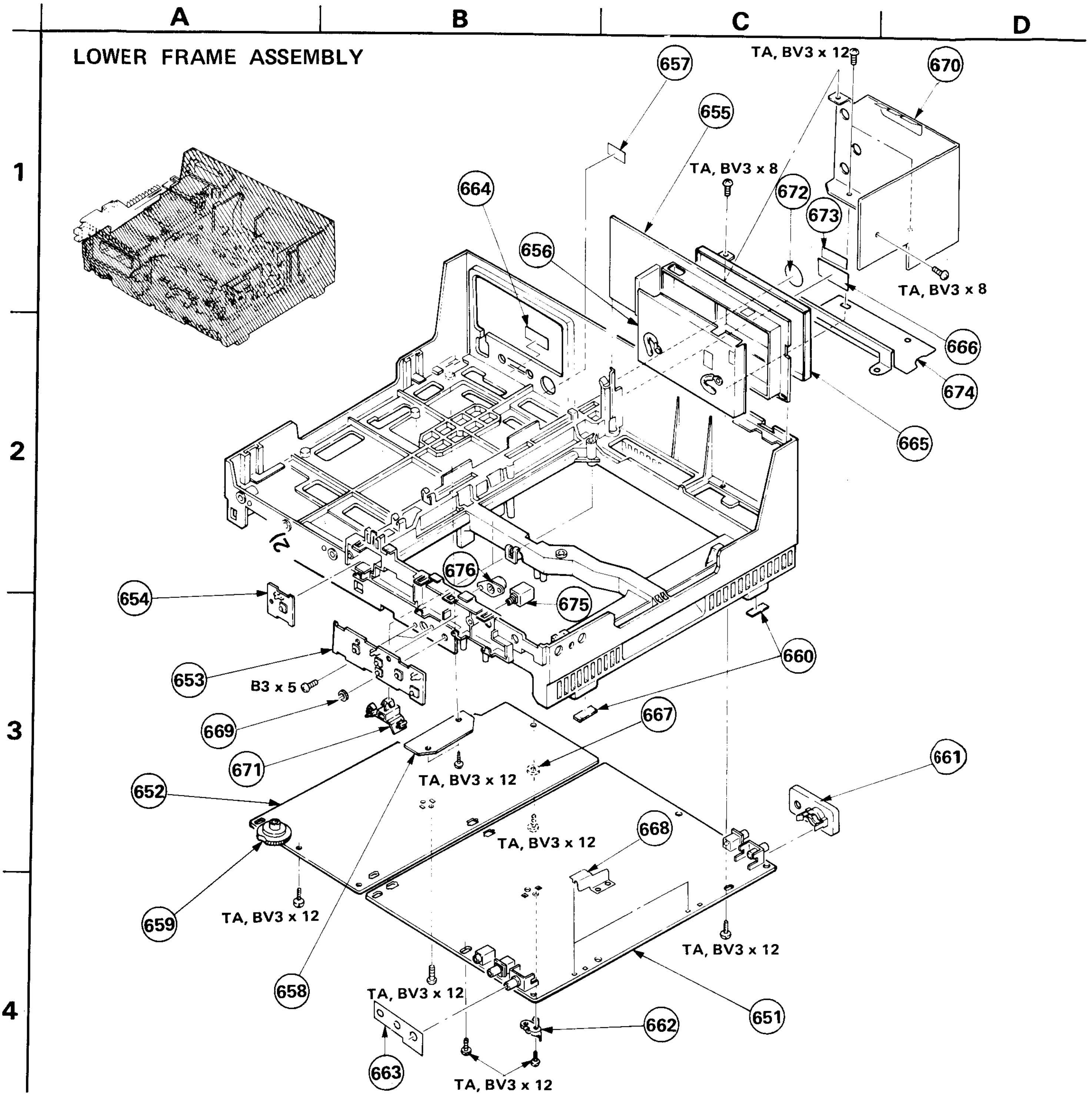
LOWER FRAME ASSEMBLY


A
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657
TA, BV3 x 12
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655
TA, BV3 x 8
664
672
673
656
TA, BV3 x 8
666
674
665
654
676
675
660
653
B3 x 5
667
669
671
TA, BV3 x 12
661
652
TA, BV3 x 12
668
659
TA, BV3 x 12
TA, BV3 x 12
658
TA, BV3 x 12
651
662
663
TA, BV3 x 12

No.	Part No	Description	Remark
651	♠:A-6711-339-A	YC-18 BOARD, COMPLETE	
652	♠:A-6713-126-A	SS-9E BOARD, COMPLETE	
653	♠:1-605-687-00	FS-11 BOARD	
654	♠:1-605-688-00	FS-12 BOARD	
655	♠:A-6728-416-A	RF-4 BOARD, COMPLETE	
656	♠:X-3674-104-0	CASE (A) ASSY, SHIELD, RF	
657	3-674-105-00	LABEL, MARK	
658	♠:1-606-102-00	CP-6 BOARD	
659	3-659-528-00	KNOB, TRACK CONTROL	
660	3-659-532-00	FELT, FOOT	
661	3-674-111-00	COVER, JACK	
662	♠:3-671-145-00	STOPPER, BOTTOM PLATE	
663	3-674-107-00	PLATE (PAL), ORNAMENTAL, JACK	
664	3-674-101-00	LABEL, SWITCH, MAINS	
665	♠:3-674-149-00	CASE (C), SHIELD, RF	
666	♠:3-674-118-00	LABEL, MODEL NUMBER (AEP)	
667	4-308-030-11	WASHER, DOUBLE STICK TAPE	
668	♠:3-671-252-00	PLATE (D), GROUND	
669	3-671-260-00	NUT, ROUND, KNURL	
670	♠:X-3674-116-0	PLATE ASSY, SHIELD, REAR	
671	♠:3-671-187-00	CLIP, ANCHOR	
672	♠:3-656-407-00	LABEL, F MARK	
673	3-703-274-00	LABEL, APPROVAL	
674	♠:3-674-152-00	CASE (F), SHIELD, RF	
675	1-932-956-00	JACK CP-3	
676	1-933-276-11	JACK RJ-2	

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SECTION 6
ELECTRICAL PARTS LIST

Ref.No	Part No	Description			Remark
	♠:A-6711-339-A	YC-18 BOARD, COMPLETE *********************			
	♠:3-661-626-00	PLATE, REAR, SHIELD CASE			
	♠:3-661-659-00	CASE (MAIN), SHIELD			
	3-671-893-00	CLAMP (LOW TYPE)			
		FILTER			
BPF001	1-231-375-00	FILTER, BANDPASS			
		CAPACITOR			
C001	1-123-333-00	ELECT	100MF	20%	16V
C002	1-161-036-00	CERAMIC	0.047MF	20%	25V
C003	1-123-306-00	ELECT	47MF	20%	10V
C004	1-161-036-00	CERAMIC	0.047MF	20%	25V
C005	1-123-356-00	ELECT	10MF	20%	16V
C006	1-161-345-00	CERAMIC	75PF	5%	50V
C007	1-161-261-00	CERAMIC	15PF	5%	50V
C008	1-102-978-00	CERAMIC	220PF	5%	50V
C009	1-161-036-00	CERAMIC	0.047MF	20%	25V
C010	1-123-332-00	ELECT	47MF	20%	16V
C011	1-161-266-00	CERAMIC	39PF	5%	50V
C012	1-123-332-00	ELECT	47MF	20%	16V
C013	1-123-296-00	ELECT	220MF	20%	6.3V
C014	1-123-307-00	ELECT	100MF	20%	10V
C015	1-161-036-00	CERAMIC	0.047MF	20%	25V
C016	1-123-379-00	ELECT	0.47MF	20%	50V
C017	1-123-307-00	ELECT	100MF	20%	10V
C018	1-123-356-00	ELECT	10MF	20%	16V
C019	1-123-318-00	ELECT	33MF	20%	16V
C020	1-123-356-00	ELECT	10MF	20%	16V
C022	1-123-333-00	ELECT	100MF	20%	16V
C023	1-161-051-00	CERAMIC	0.01MF	30%	25V
C024	1-102-950-00	CERAMIC	13PF	5%	50V
C025	1-101-882-00	CERAMIC	51PF	5%	50V
C026	1-101-882-00	CERAMIC	51PF	5%	50V
C027	1-102-950-00	CERAMIC	13PF	5%	50V
C028	1-102-530-00	CERAMIC	120PF	5%	50V
C029	1-161-063-00	CERAMIC	0.1MF	20%	25V
C030	1-102-820-00	CERAMIC	330PF	5%	50V
C031	1-123-318-00	ELECT	33MF	20%	16V
C032	1-123-318-00	ELECT	33MF	20%	16V
C033	1-161-036-00	CERAMIC	0.047MF	20%	25V
C034	1-161-051-00	CERAMIC	0.01MF	30%	25V
C035	1-161-051-00	CERAMIC	0.01MF	30%	25V
C036	1-123-332-00	ELECT	47MF	20%	16V
C037	1-123-332-00	ELECT	47MF	20%	16V
C038	1-161-051-00	CERAMIC	0.01MF	30%	25V
C039	1-161-051-00	CERAMIC	0.01MF	30%	25V
C040	1-123-356-00	ELECT	10MF	20%	16V
C041	1-161-036-00	CERAMIC	0.047MF	20%	25V
C042	1-123-333-00	ELECT	100MF	20%	16V
C043	1-161-321-00	CERAMIC	680PF	10%	50V
C044	1-161-051-00	CERAMIC	0.01MF	30%	25V
C045	1-123-332-00	ELECT	47MF	20%	16V
C046	1-161-036-00	CERAMIC	0.047MF	20%	25V
C047	1-123-296-00	ELECT	220MF	20%	6.3V
C048	1-123-332-00	ELECT	47MF	20%	16V
C049	1-123-332-00	ELECT	47MF	20%	16V
C050	1-161-036-00	CERAMIC	0.047MF	20%	25V
C051	1-123-332-00	ELECT	47MF	20%	16V
C052	1-123-306-00	ELECT	47MF	20%	10V
C057	1-123-333-00	ELECT	100MF	20%	16V
C058	1-161-036-00	CERAMIC	0.047MF	20%	25V
C059	1-123-311-00	ELECT	1000MF	20%	10V
C060	1-123-308-00	ELECT	220MF	20%	10V
C061	1-101-059-00	CERAMIC	510PF	5%	50V
C062	1-161-051-00	CERAMIC	0.01MF	30%	25V
C064	1-123-330-00	ELECT	22MF	20%	16V
C065	1-123-333-00	ELECT	100MF	20%	16V
C066	1-123-332-00	ELECT	47MF	20%	16V
C068	1-123-356-00	ELECT	10MF	20%	16V
C069	1-123-324-00	ELECT	1000MF	20%	16V
C070	1-123-318-00	ELECT	33MF	20%	16V
C071	1-123-332-00	ELECT	47MF	20%	16V
C072	1-123-318-00	ELECT	33MF	20%	16V
C073	1-161-494-00	CERAMIC	0.022MF	30%	25V
C074	1-161-051-00	CERAMIC	0.01MF	30%	25V
C075	1-123-306-00	ELECT	47MF	20%	10V
C076	1-161-051-00	CERAMIC	0.01MF	30%	25V
C077	1-123-332-00	ELECT	47MF	20%	16V
C078	1-161-036-00	CERAMIC	0.047MF	20%	25V
C079	1-161-036-00	CERAMIC	0.047MF	20%	25V
C080	1-123-332-00	ELECT	47MF	20%	16V
C081	1-161-051-00	CERAMIC	0.01MF	30%	25V
C082	1-161-051-00	CERAMIC	0.01MF	30%	25V
C083	1-161-264-00	CERAMIC	27PF	5%	50V
C084	1-161-264-00	CERAMIC	27PF	5%	50V
C085	1-161-051-00	CERAMIC	0.01MF	30%	25V
C086	1-161-051-00	CERAMIC	0.01MF	30%	25V
C087	1-161-036-00	CERAMIC	0.047MF	20%	25V
C088	1-101-361-00	CERAMIC	150PF	5%	50V
C089	1-161-051-00	CERAMIC	0.01MF	30%	25V
C090	1-101-361-00	CERAMIC	150PF	5%	50V
C091	1-161-051-00	CERAMIC	0.01MF	30%	25V
C092	1-161-051-00	CERAMIC	0.01MF	30%	25V
C093	1-161-051-00	CERAMIC	0.01MF	30%	25V
C094	1-123-356-00	ELECT	10MF	20%	16V
C095	1-161-051-00	CERAMIC	0.01MF	30%	25V
C096	1-161-036-00	CERAMIC	0.047MF	20%	25V
C097	1-102-950-00	CERAMIC	13PF	5%	50V
C098	1-161-051-00	CERAMIC	0.01MF	30%	25V
C099	1-161-036-00	CERAMIC	0.047MF	20%	25V
C100	1-102-822-00	CERAMIC	390PF	5%	50V
C101	1-161-051-00	CERAMIC	0.01MF	30%	25V
C102	1-102-979-00	CERAMIC	240PF	5%	50V

NOTE:

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CAPACITORS
- MF : µF, PF : µµF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : µH

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Ref.No	Part No	Description			Remark
C103	1-161-268-00	CERAMIC	56PF	5%	50V
C104	1-123-356-00	ELECT	10MF	20%	16V
C105	1-161-036-00	CERAMIC	0.047MF	20%	25V
C106	1-161-036-00	CERAMIC	0.047MF	20%	25V
C107	1-161-268-00	CERAMIC	56PF	5%	50V
C108	1-102-824-00	CERAMIC	430PF	5%	50V
C109	1-161-036-00	CERAMIC	0.047MF	20%	25V
C110	1-131-202-00	TANTALUM	1.5MF	20%	20V
C111	1-161-036-00	CERAMIC	0.047MF	20%	25V
C112	1-161-051-00	CERAMIC	0.01MF	30%	25V
C113	1-161-051-00	CERAMIC	0.01MF	30%	25V
C114	1-108-242-00	MYLAR	0.022MF	10%	50V
C115	1-161-051-00	CERAMIC	0.01MF	30%	25V
C116	1-161-036-00	CERAMIC	0.047MF	20%	25V
C117	1-161-051-00	CERAMIC	0.01MF	30%	25V
C118	1-161-036-00	CERAMIC	0.047MF	20%	25V
C119	1-161-271-00	CERAMIC	100PF	5%	50V
C120	1-102-820-00	CERAMIC	330PF	5%	50V
C121	1-161-036-00	CERAMIC	0.047MF	20%	25V
C122	1-161-051-00	CERAMIC	0.01MF	30%	25V
C123	1-161-036-00	CERAMIC	0.047MF	20%	25V
C124	1-161-272-00	CERAMIC	120PF	5%	50V
C125	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C126	1-123-332-00	ELECT	47MF	20%	16V
C127	1-161-271-00	CERAMIC	100PF	5%	50V
C128	1-123-306-00	ELECT	47MF	20%	10V
C129	1-123-380-00	ELECT	1MF	20%	50V
C130	1-123-332-00	ELECT	47MF	20%	16V
C131	1-161-036-00	CERAMIC	0.047MF	20%	25V
C132	1-123-356-00	ELECT	10MF	20%	16V
C133	1-123-328-00	ELECT	4.7MF	20%	25V
C134	1-123-328-00	ELECT	4.7MF	20%	25V
C135	1-123-328-00	ELECT	4.7MF	20%	25V
C136	1-161-051-00	CERAMIC	0.01MF	30%	25V
C137	1-161-323-00	CERAMIC	0.001MF	10%	50V
C138	1-102-852-00	CERAMIC	47PF	5%	50V
C139	1-161-036-00	CERAMIC	0.047MF	20%	25V
C140	1-123-332-00	ELECT	47MF	20%	16V
C141	1-123-380-00	ELECT	1MF	20%	50V
C142	1-108-838-00	MYLAR	0.012MF	10%	50V
C143	1-161-281-00	CERAMIC	15PF	5%	50V
C144	1-123-380-00	ELECT	1MF	20%	50V
C145	1-108-838-00	MYLAR	0.012MF	10%	50V
C146	1-161-051-00	CERAMIC	0.01MF	30%	25V
C147	1-161-323-00	CERAMIC	0.001MF	10%	50V
C148	1-161-284-00	CERAMIC	27PF	5%	50V
C149	1-123-380-00	ELECT	1MF	20%	50V
C150	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C151	1-102-820-00	CERAMIC	330PF	5%	50V
C152	1-161-051-00	CERAMIC	0.01MF	30%	25V
C153	1-161-036-00	CERAMIC	0.047MF	20%	25V
C154	1-108-849-00	MYLAR	0.1MF	10%	50V
C155	1-123-332-00	ELECT	47MF	20%	16V
C156	1-161-051-00	CERAMIC	0.01MF	30%	25V
C158	1-161-051-00	CERAMIC	0.01MF	30%	25V
C159	1-161-051-00	CERAMIC	0.01MF	30%	25V
C160	1-161-051-00	CERAMIC	0.01MF	30%	25V
C161	1-161-051-00	CERAMIC	0.01MF	30%	25V
C162	1-161-036-00	CERAMIC	0.047MF	20%	25V
C163	1-123-332-00	ELECT	47MF	20%	16V
C164	1-161-051-00	CERAMIC	0.01MF	30%	25V
C165	1-108-239-00	MYLAR	0.01MF	10%	50V
C166	1-123-356-00	ELECT	10MF	20%	16V
C167	1-108-555-00	MYLAR	0.001MF	5%	50V
C168	1-108-555-00	MYLAR	0.001MF	5%	50V
C169	1-161-036-00	CERAMIC	0.047MF	20%	25V
C170	1-108-555-00	MYLAR	0.001MF	5%	50V
C171	1-108-555-00	MYLAR	0.001MF	5%	50V
C172	1-161-036-00	CERAMIC	0.047MF	20%	25V
C173	1-161-494-00	CERAMIC	0.022MF	30%	25V
C174	1-161-494-00	CERAMIC	0.022MF	30%	25V
C175	1-161-494-00	CERAMIC	0.022MF	30%	25V
C176	1-102-531-00	CERAMIC	150PF	5%	50V
C178	1-102-525-00	CERAMIC	68PF	5%	50V
C180	1-102-527-00	CERAMIC	82PF	5%	50V
C181	1-161-494-00	CERAMIC	0.022MF	30%	25V
C182	1-123-332-00	ELECT	47MF	20%	16V
C183	1-161-036-00	CERAMIC	0.047MF	20%	25V
C184	1-161-051-00	CERAMIC	0.01MF	30%	25V
C185	1-161-494-00	CERAMIC	0.022MF	30%	25V
C186	1-123-380-00	ELECT	1MF	20%	50V
C187	1-161-051-00	CERAMIC	0.01MF	30%	25V
C188	1-123-332-00	ELECT	47MF	20%	16V
C189	1-161-036-00	CERAMIC	0.047MF	20%	25V
C190	1-123-356-00	ELECT	10MF	20%	16V
C191	1-102-978-00	CERAMIC	220PF	5%	50V
C192	1-161-321-00	CERAMIC	680PF	10%	50V
C193	1-123-380-00	ELECT	1MF	20%	50V
C194	1-102-129-00	CERAMIC	0.01MF	10%	50V
C195	1-161-036-00	CERAMIC	0.047MF	20%	25V
C196	1-123-332-00	ELECT	47MF	20%	16V
C197	1-102-824-00	CERAMIC	430PF	5%	50V
C198	1-102-824-00	CERAMIC	430PF	5%	50V
C199	1-102-978-00	CERAMIC	220PF	5%	50V
C200	1-123-307-00	ELECT	100MF	20%	10V
C201	1-161-051-00	CERAMIC	0.01MF	30%	25V
C205	1-161-051-00	CERAMIC	0.01MF	30%	25V
C206	1-161-036-00	CERAMIC	0.047MF	20%	25V
C207	1-161-272-00	CERAMIC	120PF	5%	50V
C208	1-123-332-00	ELECT	47MF	20%	16V
C209	1-127-456-51	ELECT(SOLID)	0.22MF	20%	25V
C210	1-161-036-00	CERAMIC	0.047MF	20%	25V
C211	1-123-380-00	ELECT	1MF	20%	50V
C212	1-108-833-00	MYLAR	0.0047MF	10%	50V
C213	1-108-555-00	MYLAR	0.001MF	5%	50V
C214	1-108-555-00	MYLAR	0.001MF	5%	50V

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Ref.No	Part No	Description			Remark
C215	1-123-321-00	ELECT	220MF	20%	16V
C216	1-102-531-00	CERAMIC	150PF	5%	50V
C217	1-123-379-00	ELECT	0.47MF	20%	50V
C218	1-123-356-00	ELECT	10MF	20%	16V
C219	1-101-059-00	CERAMIC	510PF	5%	50V
C220	1-123-295-00	ELECT	100MF	20%	6.3V
C221	1-161-494-00	CERAMIC	0.022MF	30%	25V
C222	1-161-051-00	CERAMIC	0.01MF	30%	25V
C223	1-161-051-00	CERAMIC	0.01MF	30%	25V
C224	1-161-351-00	CERAMIC	20PF	5%	50V
C225	1-161-494-00	CERAMIC	0.022MF	30%	25V
C226	1-102-527-00	CERAMIC	82PF	5%	50V
C227	1-161-051-00	CERAMIC	0.01MF	30%	25V
C228	1-123-307-00	ELECT	100MF	20%	10V
C230	1-102-859-00	CERAMIC	75PF	5%	50V
C231	1-123-379-00	ELECT	0.47MF	20%	50V
C233	1-123-328-00	ELECT	4.7MF	20%	25V
C240	1-123-356-00	ELECT	10MF	20%	16V
C241	1-102-947-81	CERAMIC	10PF	5%	50V

CONNECTOR

CN001♠:	1-508-846-00	PIN, CONNECTOR 8P
CN002♠:	1-508-797-00	PIN, CONNECTOR 4P
CN003♠:	1-508-743-00	PIN, CONNECTOR 5P
CN004♠:	1-560-295-00	PIN, CONNECTOR 7P
CN005	1-508-910-00	PIN, CONNECTOR 12P
CN006♠:	1-508-744-00	PIN, CONNECTOR 10P
CN007♠:	1-508-845-00	PIN, CONNECTOR 6P

JACK

CNJ001	1-560-750-21	CONNECTOR ASSY, BNC
CNJ002	1-560-750-21	CONNECTOR ASSY, BNC
CNJ003	1-507-588-32	PIN JACK, 1P
CNJ004	1-507-588-32	PIN JACK, 1P
CNJ005	1-507-678-21	JACK

DIODE

D001	=>8-719-911-19	DIODE 1SS119
D002	=>8-719-911-19	DIODE 1SS119
D003	8-719-815-55	DIODE 1S1555
D004	8-719-815-55	DIODE 1S1555
D005	8-719-815-55	DIODE 1S1555
D006	8-719-815-55	DIODE 1S1555
D007	=>8-719-911-19	DIODE 1SS119
D008	=>8-719-911-19	DIODE 1SS119
D009	=>8-719-911-19	DIODE 1SS119
D010	=>8-719-911-19	DIODE 1SS119
D011	=>8-719-911-19	DIODE 1SS119
D012	=>8-719-911-19	DIODE 1SS119
D014	=>8-719-911-19	DIODE 1SS119
D015	=>8-719-911-19	DIODE 1SS119
D016	=>8-719-911-19	DIODE 1SS119
D017	=>8-719-911-19	DIODE 1SS119

Ref.No	Part No	Description	Remark
D018	=>8-719-911-19	DIODE 1SS119	
D019	=>8-719-911-19	DIODE 1SS119	
D020	=>8-719-911-19	DIODE 1SS119	
D021	=>8-719-911-19	DIODE 1SS119	
D022	=>8-719-911-19	DIODE 1SS119	
D023	=>8-719-911-19	DIODE 1SS119	
D024	=>8-719-911-19	DIODE 1SS119	
D025	=>8-719-911-19	DIODE 1SS119	
D026	=>8-719-911-19	DIODE 1SS119	
D027	=>8-719-911-19	DIODE 1SS119	
D031	=>8-719-911-19	DIODE 1SS119	
D032	=>8-719-911-19	DIODE 1SS119	
D035	=>8-719-911-19	DIODE 1SS119	
D036	=>8-719-911-19	DIODE 1SS119	
D037	=>8-719-911-19	DIODE 1SS119	
D039	=>8-719-911-19	DIODE 1SS119	
D040	=>8-719-911-19	DIODE 1SS119	

DELAY LINE

DL001	1-415-223-21	DELAY LINE
DL002	1-415-198-00	DELAY LINE (1H)
DL003	1-415-148-51	DELAY LINE
DL004	1-415-204-00	DELAY LINE

IC

IC001	=>8-759-601-87	IC CX187M
IC002	8-751-360-00	IC CX136A
IC003	8-759-600-50	IC CX150B
IC004	8-759-208-94	IC CX894
IC005	8-751-450-00	IC CX145
IC006	8-758-320-00	IC CX832
IC007	8-759-600-23	IC CX7942
IC008	8-749-900-01	IC SP21A
IC009	8-741-101-80	IC BX1018
IC010	8-749-900-02	IC SP22B
IC011	8-759-600-50	IC CX150B
IC012	8-759-245-28	IC TC4528BP
IC013	8-759-273-20	IC TA7320P
IC014	8-751-300-00	IC CX130
IC015	8-759-208-94	IC CX894
IC016	8-759-684-78	IC M58478P
IC017	8-759-979-26	IC CX7926
IC018	8-741-102-00	IC BX1020
IC019	8-741-101-70	IC BX1017

COIL

L001	1-408-423-00	MICRO INDUCTOR 150UH
L002	1-408-445-11	MICRO INDUCTOR 18UH
L003	1-408-451-11	MICRO INDUCTOR 56UH
L004	1-408-446-11	MICRO INDUCTOR 22UH
L005	1-407-170-XX	MICRO INDUCTOR 120UH
L006	1-407-172-XX	MICRO INDUCTOR 180UH
L007	1-407-170-XX	MICRO INDUCTOR 120UH

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Ref.No	Part No	Description	Remark
L008	1-408-456-11	MICRO INDUCTOR 150UH	
L009	1-408-450-11	MICRO INDUCTOR 47UH	
L010	1-408-454-11	MICRO INDUCTOR 100UH	
L011	1-408-420-00	MICRO INDUCTOR 82UH	
L012	1-408-442-11	MICRO INDUCTOR 10UH	
L013	1-408-445-11	MICRO INDUCTOR 18UH	
L014	1-408-415-00	MICRO INDUCTOR 33UH	
L015	1-408-423-00	MICRO INDUCTOR 150UH	
L016	1-408-450-11	MICRO INDUCTOR 47UH	
L018	1-408-446-11	MICRO INDUCTOR 22UH	
L019	1-408-462-11	MICRO INDUCTOR 470UH	
L020	1-408-462-11	MICRO INDUCTOR 470UH	
L021	1-408-455-11	MICRO INDUCTOR 120UH	
L022	1-408-455-11	MICRO INDUCTOR 120UH	
L023	1-408-419-00	MICRO INDUCTOR 68UH	
L024	1-408-419-00	MICRO INDUCTOR 68UH	
L025	1-408-408-00	MICRO INDUCTOR 8.2UH	
L026	1-408-454-11	MICRO INDUCTOR 100UH	
L027	1-408-419-00	MICRO INDUCTOR 68UH	
L028	1-407-195-XX	MICRO INDUCTOR 1MMH	
L028	1-407-492-00	MICRO INDUCTOR 1MMH	
L029	1-408-450-11	MICRO INDUCTOR 47UH	
L030	1-408-462-11	MICRO INDUCTOR 470UH	
L031	1-408-408-00	MICRO INDUCTOR 8.2UH	
L032	1-407-494-00	MICRO INDUCTOR 1.5MMH	
L033	1-408-444-11	MICRO INDUCTOR 15UH	
L034	1-408-462-11	MICRO INDUCTOR 470UH	
L035	1-408-448-11	MICRO INDUCTOR 33UH	
L036	1-408-462-11	MICRO INDUCTOR 470UH	
L037	1-408-462-11	MICRO INDUCTOR 470UH	
L038	1-407-501-31	MICRO INDUCTOR 5.6MMH	
L039	1-408-420-00	MICRO INDUCTOR 82UH	

VARIABLE COIL

Ref.No	Part No	Description	Remark
LV001	1-408-512-00	COIL (VARIABLE) 10UH	
LV002	1-408-531-00	COIL, VARIABLE; 6.8UH	

TRANSISTOR

Ref.No	Part No	Description	Remark
Q001	8-729-374-02	TRANSISTOR 2SB740	
Q002	8-729-374-02	TRANSISTOR 2SB740	
Q003	=>8-729-384-48	TRANSISTOR 2SA844	
Q004	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q005	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q006	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q007	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q008	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q009	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q010	=>8-729-178-54	TRANSISTOR 2SC2785	
Q013	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q014	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q015	=>8-729-187-54	TRANSISTOR 2SC2785	
Q016	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q017	=>8-729-117-54	TRANSISTOR 2SA1175	
Q018	=>8-729-187-54	TRANSISTOR 2SC2785	
Q019	=>8-729-187-54	TRANSISTOR 2SC2785	
Q020	=>8-729-187-54	TRANSISTOR 2SC2785	
Q021	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q022	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q023	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q024	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q025	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q026	=>8-729-187-54	TRANSISTOR 2SC2785	
Q027	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q028	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q029	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q030	=>8-729-187-54	TRANSISTOR 2SC2785	
Q031	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q032	=>8-729-187-54	TRANSISTOR 2SC2785	
Q033	=>8-729-187-54	TRANSISTOR 2SC2785	
Q034	=>8-729-187-54	TRANSISTOR 2SC2785	
Q035	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q036	=>8-729-187-54	TRANSISTOR 2SC2785	
Q037	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q038	=>8-729-187-54	TRANSISTOR 2SC2785	
Q039	=>8-729-117-54	TRANSISTOR 2SA1175	
Q040	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q041	=>8-729-187-54	TRANSISTOR 2SC2785	
Q043	=>8-729-384-48	TRANSISTOR 2SA844	
Q044	=>8-729-187-54	TRANSISTOR 2SC2785	
Q045	=>8-729-187-54	TRANSISTOR 2SC2785	
Q046	8-729-353-52	TRANSISTOR 2SC535	
Q047	8-729-353-52	TRANSISTOR 2SC535	
Q048	8-729-353-52	TRANSISTOR 2SC535	
Q049	8-729-353-52	TRANSISTOR 2SC535	
Q050	=>8-729-187-54	TRANSISTOR 2SC2785	

RESISTOR

Ref.No	Part No	Description			Remark
R001	1-246-795-00	CARBON	10K	1/8W	
R002	1-246-788-00	CARBON	2.7K	1/8W	
R003	1-246-795-00	CARBON	10K	1/8W	
R004	1-246-785-00	CARBON	1.5K	1/8W	
R005	1-246-799-00	CARBON	22K	1/8W	
R006	1-246-777-00	CARBON	330	1/8W	
R007	1-246-786-00	CARBON	1.8K	1/8W	
R008	1-246-787-00	CARBON	2.2K	1/8W	
R009	1-246-795-00	CARBON	10K	1/8W	
R010	1-246-783-00	CARBON	1K	1/8W	
R011	1-246-795-00	CARBON	10K	1/8W	
R012	1-246-862-00	CARBON	36K	1/8W	
R013	1-246-854-00	CARBON	7.5K	1/8W	
R014	1-246-788-00	CARBON	2.7K	1/8W	
R015	1-246-846-00	CARBON	1.6K	1/8W	
R016	1-246-782-00	CARBON	820	1/8W	
R017	1-246-783-00	CARBON	1K	1/8W	
R018	1-246-845-00	CARBON	1.3K	1/8W	
R019	1-246-783-00	CARBON	1K	1/8W	

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Ref.No	Part No	Description				Remark
R020	1-246-791-00	CARBON	4.7K		1/8W	
R021	1-246-797-00	CARBON	15K		1/8W	
R022	1-246-843-00	CARBON	910		1/8W	
R023	1-246-786-00	CARBON	1.8K		1/8W	
R024	1-246-856-00	CARBON	11K		1/8W	
R025	1-246-797-00	CARBON	15K		1/8W	
R026	1-246-771-00	CARBON	100		1/8W	
R027	1-246-789-00	CARBON	3.3K		1/8W	
R028	1-246-786-00	CARBON	1.8K		1/8W	
R029	1-246-782-00	CARBON	820		1/8W	
R030	1-246-786-00	CARBON	1.8K		1/8W	
R031	1-246-795-00	CARBON	10K		1/8W	
R032	1-246-787-00	CARBON	2.2K		1/8W	
R033	1-246-842-00	CARBON	750		1/8W	
R034	1-246-794-00	CARBON	8.2K		1/8W	
R035	1-246-839-00	CARBON	430		1/8W	
R036	1-246-798-00	CARBON	18K		1/8W	
R037	1-246-771-00	CARBON	100		1/8W	
R038	1-246-783-00	CARBON	1K		1/8W	
R039	1-246-783-00	CARBON	1K		1/8W	
R040	1-246-794-00	CARBON	8.2K		1/8W	
R041	1-246-783-00	CARBON	1K		1/8W	
R042	1-246-794-00	CARBON	8.2K		1/8W	
R043 ⚠.	1-247-033-00	CARBON	100	5%	1/8W	F
R044	1-246-773-00	CARBON	150		1/8W	
R049	1-246-795-00	CARBON	10K		1/8W	
R050	1-246-783-00	CARBON	1K		1/8W	
R051	1-246-783-00	CARBON	1K		1/8W	
R052	1-246-771-00	CARBON	100		1/8W	
R053	1-246-799-00	CARBON	22K		1/8W	
R054	1-246-795-00	CARBON	10K		1/8W	
R055	1-246-783-00	CARBON	1K		1/8W	
R056	1-246-787-00	CARBON	2.2K		1/8W	
R057	1-246-843-00	CARBON	910		1/8W	
R058	1-246-847-00	CARBON	2K		1/8W	
R059	1-246-799-00	CARBON	22K		1/8W	
R060	1-246-796-00	CARBON	12K		1/8W	
R061	1-246-847-00	CARBON	2K		1/8W	
R062	1-246-802-00	CARBON	39K		1/8W	
R063	1-246-783-00	CARBON	1K		1/8W	
R064	1-246-783-00	CARBON	1K		1/8W	
R071	1-246-842-00	CARBON	750		1/8W	
R072	1-246-769-00	CARBON	68		1/8W	
R073	1-244-853-00	CARBON	150	5%	1/2W	
R074	1-244-853-00	CARBON	150	5%	1/2W	
R075	1-246-783-00	CARBON	1K		1/8W	
R077	1-246-783-00	CARBON	1K		1/8W	
R078	1-246-795-00	CARBON	10K		1/8W	
R079	1-246-801-00	CARBON	33K		1/8W	
R080	1-246-785-00	CARBON	1.5K		1/8W	
R081	1-246-852-00	CARBON	5.1K		1/8W	
R082	1-246-777-00	CARBON	330		1/8W	
R083	1-246-789-00	CARBON	3.3K		1/8W	

Ref.No	Part No	Description			Remark
R084	1-246-801-00	CARBON	33K	1/8W	
R085	1-246-787-00	CARBON	2.2K	1/8W	
R086	1-246-771-00	CARBON	100	1/8W	
R087	1-246-847-00	CARBON	2K	1/8W	
R088	1-246-782-00	CARBON	820	1/8W	
R089	1-246-851-00	CARBON	4.3K	1/8W	
R090	1-246-811-00	CARBON	220K	1/8W	
R091	1-246-801-00	CARBON	33K	1/8W	
R092	1-246-801-00	CARBON	33K	1/8W	
R093	1-246-787-00	CARBON	2.2K	1/8W	
R094	1-246-799-00	CARBON	22K	1/8W	
R095	1-246-803-00	CARBON	47K	1/8W	
R096	1-246-807-00	CARBON	100K	1/8W	
R098	1-246-795-00	CARBON	10K	1/8W	
R099	1-246-840-00	CARBON	510	1/8W	
R100	1-246-861-00	CARBON	30K	1/8W	
R101	1-246-865-00	CARBON	62K	1/8W	
R102	1-246-796-00	CARBON	12K	1/8W	
R103	1-246-830-00	CARBON	75	1/8W	
R104	1-246-776-00	CARBON	270	1/8W	
R105	1-246-769-00	CARBON	68	1/8W	
R106	1-246-773-00	CARBON	150	1/8W	
R107	1-246-771-00	CARBON	100	1/8W	
R108	1-246-805-00	CARBON	68K	1/8W	
R109	1-246-775-00	CARBON	220	1/8W	
R110	1-246-789-00	CARBON	3.3K	1/8W	
R111	1-246-811-00	CARBON	220K	1/8W	
R112	1-246-791-00	CARBON	4.7K	1/8W	
R113	1-246-811-00	CARBON	220K	1/8W	
R114	1-246-783-00	CARBON	1K	1/8W	
R115	1-246-783-00	CARBON	1K	1/8W	
R116	1-246-779-00	CARBON	470	1/8W	
R117	1-246-799-00	CARBON	22K	1/8W	
R118	1-246-795-00	CARBON	10K	1/8W	
R119	1-246-785-00	CARBON	1.5K	1/8W	
R120	1-246-786-00	CARBON	1.8K	1/8W	
R121	1-246-791-00	CARBON	4.7K	1/8W	
R122	1-246-784-00	CARBON	1.2K	1/8W	
R123	1-246-771-00	CARBON	100	1/8W	
R124	1-246-791-00	CARBON	4.7K	1/8W	
R125	1-246-783-00	CARBON	1K	1/8W	
R126	1-246-783-00	CARBON	1K	1/8W	
R127	1-246-784-00	CARBON	1.2K	1/8W	
R128	1-246-787-00	CARBON	2.2K	1/8W	
R129	1-246-811-00	CARBON	220K	1/8W	
R130	1-246-783-00	CARBON	1K	1/8W	
R131	1-246-811-00	CARBON	220K	1/8W	
R132	1-246-775-00	CARBON	220	1/8W	
R133	1-246-801-00	CARBON	33K	1/8W	
R134	1-246-791-00	CARBON	4.7K	1/8W	
R135	1-246-792-00	CARBON	5.6K	1/8W	
R136	1-246-807-00	CARBON	100K	1/8W	
R137	1-246-798-00	CARBON	18K	1/8W	

NOTE:

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- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

YC-18

Ref.No	Part No	Description				Remark
R138	1-246-861-00	CARBON	30K		1/8W	
R139	1-246-781-00	CARBON	680		1/8W	
R140	1-246-792-00	CARBON	5.6K		1/8W	
R141	1-246-771-00	CARBON	100		1/8W	
R142	1-246-840-00	CARBON	510		1/8W	
R143	1-246-799-00	CARBON	22K		1/8W	
R144	1-246-791-00	CARBON	4.7K		1/8W	
R145	1-246-778-00	CARBON	390		1/8W	
R146	1-246-787-00	CARBON	2.2K		1/8W	
R147	1-246-778-00	CARBON	390		1/8W	
R148	1-246-778-00	CARBON	390		1/8W	
R149	1-246-778-00	CARBON	390		1/8W	
R150	1-246-778-00	CARBON	390		1/8W	
R151	1-246-787-00	CARBON	2.2K		1/8W	
R152	1-246-778-00	CARBON	390		1/8W	
R153	1-246-791-00	CARBON	4.7K		1/8W	
R154	1-246-789-00	CARBON	3.3K		1/8W	
R155	1-246-795-00	CARBON	10K		1/8W	
R156	1-246-842-00	CARBON	750		1/8W	
R157	1-246-791-00	CARBON	4.7K		1/8W	
R158	1-246-786-00	CARBON	1.8K		1/8W	
R159	1-246-776-00	CARBON	270		1/8W	
R160	1-246-787-00	CARBON	2.2K		1/8W	
R161	1-246-783-00	CARBON	1K		1/8W	
R162	1-246-823-00	CARBON	20		1/8W	
R163	1-246-792-00	CARBON	5.6K		1/8W	
R164	1-246-792-00	CARBON	5.6K		1/8W	
R165	1-246-787-00	CARBON	2.2K		1/8W	
R166	1-246-793-00	CARBON	6.8K		1/8W	
R167	1-246-783-00	CARBON	1K		1/8W	
R168	1-246-795-00	CARBON	10K		1/8W	
R169	1-246-781-00	CARBON	680		1/8W	
R170	1-246-804-00	CARBON	56K		1/8W	
R171	1-246-795-00	CARBON	10K		1/8W	
R172	1-246-804-00	CARBON	56K		1/8W	
R173	1-246-789-00	CARBON	3.3K		1/8W	
R174	1-246-794-00	CARBON	8.2K		1/8W	
R175	1-246-783-00	CARBON	1K		1/8W	
R176	1-246-782-00	CARBON	820		1/8W	
R177	1-246-785-00	CARBON	1.5K		1/8W	
R178	1-246-842-00	CARBON	750		1/8W	
R179	1-246-777-00	CARBON	330		1/8W	
R180	1-246-804-00	CARBON	56K		1/8W	
R181	1-246-795-00	CARBON	10K		1/8W	
R182	1-246-783-00	CARBON	1K		1/8W	
R183	1-246-793-00	CARBON	6.8K		1/8W	
R184	1-246-786-00	CARBON	1.8K		1/8W	
R185	1-246-811-00	CARBON	220K		1/8W	
R186	1-246-852-00	CARBON	5.1K		1/8W	
R187	1-246-795-00	CARBON	10K		1/8W	
R188	1-246-802-00	CARBON	39K		1/8W	
R189	1-246-787-00	CARBON	2.2K		1/8W	
R190	1-246-789-00	CARBON	3.3K		1/8W	

Ref.No	Part No	Description				Remark
R191	1-246-860-00	CARBON	24K		1/8W	
R192	1-246-801-00	CARBON	33K		1/8W	
R193	1-246-784-00	CARBON	1.2K		1/8W	
R194	1-246-797-00	CARBON	15K		1/8W	
R195	1-246-795-00	CARBON	10K		1/8W	
R196	1-246-778-00	CARBON	390		1/8W	
R197	1-246-770-00	CARBON	82		1/8W	
R198	1-246-771-00	CARBON	100		1/8W	
R199	1-246-779-00	CARBON	470		1/8W	
R200	1-244-857-00	CARBON	220	5%	1/2W	
R201	1-246-799-00	CARBON	22K		1/8W	
R202	1-246-795-00	CARBON	10K		1/8W	
R203	1-246-801-00	CARBON	33K		1/8W	
R204	1-246-811-00	CARBON	220K		1/8W	
R205	1-246-811-00	CARBON	220K		1/8W	
R206	1-246-811-00	CARBON	220K		1/8W	
R207	1-246-775-00	CARBON	220		1/8W	
R208	1-246-828-00	CARBON	51		1/8W	
R209	1-246-840-00	CARBON	510		1/8W	
R214	1-246-851-00	CARBON	4.3K		1/8W	
R215	1-246-802-00	CARBON	39K		1/8W	
R216	1-246-783-00	CARBON	1K		1/8W	
R217	1-246-789-00	CARBON	3.3K		1/8W	
R218	1-246-795-00	CARBON	10K		1/8W	
R219	1-246-792-00	CARBON	5.6K		1/8W	
R220	1-246-796-00	CARBON	12K		1/8W	
R221	1-246-852-00	CARBON	5.1K		1/8W	
R222	1-246-779-00	CARBON	470		1/8W	
R223	1-246-783-00	CARBON	1K		1/8W	
R224	1-246-780-00	CARBON	560		1/8W	
R225	1-246-804-00	CARBON	56K		1/8W	
R226	1-246-779-00	CARBON	470		1/8W	
R227	1-246-809-00	CARBON	150K		1/8W	
R228	1-246-798-00	CARBON	18K		1/8W	
R229	1-246-805-00	CARBON	68K		1/8W	
R230	1-246-789-00	CARBON	3.3K		1/8W	
R231	1-246-843-00	CARBON	910		1/8W	
R232	1-246-777-00	CARBON	330		1/8W	
R233	1-246-847-00	CARBON	2K		1/8W	
R234	1-246-799-00	CARBON	22K		1/8W	
R236	1-246-789-00	CARBON	3.3K		1/8W	
R242	1-246-779-00	CARBON	470		1/8W	
R243	1-246-855-00	CARBON	9.1K		1/8W	
R244	1-246-785-00	CARBON	1.5K		1/8W	
R245	1-246-791-00	CARBON	4.7K		1/8W	
R246	1-246-783-00	CARBON	1K		1/8W	
R247	1-246-807-00	CARBON	100K		1/8W	
R248	1-246-847-00	CARBON	2K		1/8W	
R249	1-246-799-00	CARBON	22K		1/8W	
R250	1-246-787-00	CARBON	2.2K		1/8W	
R251	1-246-863-00	CARBON	43K		1/8W	
R252	1-246-787-00	CARBON	2.2K		1/8W	
R253	1-246-801-00	CARBON	33K		1/8W	

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
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- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description				Remark
R254	1-246-779-00	CARBON	470		1/8W	
R255	1-246-797-00	CARBON	15K		1/8W	
R256	1-246-789-00	CARBON	3.3K		1/8W	
R257	1-246-779-00	CARBON	470		1/8W	
R258	1-246-777-00	CARBON	330		1/8W	
R259	1-246-797-00	CARBON	15K		1/8W	
R260	1-246-851-00	CARBON	4.3K		1/8W	
R261	1-246-841-00	CARBON	620		1/8W	
R262	1-246-837-00	CARBON	300		1/8W	
R263	1-246-783-00	CARBON	1K		1/8W	
R264	1-246-783-00	CARBON	1K		1/8W	
R265	1-246-779-00	CARBON	470		1/8W	
R266	1-246-777-00	CARBON	330		1/8W	
R267	1-246-843-00	CARBON	910		1/8W	
R268	1-246-795-00	CARBON	10K		1/8W	
R269	1-246-788-00	CARBON	2.7K		1/8W	
R270	1-246-799-00	CARBON	22K		1/8W	
R271	1-246-794-00	CARBON	8.2K		1/8W	
R272	1-246-791-00	CARBON	4.7K		1/8W	
R273	1-246-807-00	CARBON	100K		1/8W	
R274	1-246-783-00	CARBON	1K		1/8W	
R275	1-246-783-00	CARBON	1K		1/8W	
R278	1-246-773-00	CARBON	150		1/8W	
R279	1-246-780-00	CARBON	560		1/8W	
R280	1-246-779-00	CARBON	470		1/8W	
R281	1-246-847-00	CARBON	2K		1/8W	
R282	1-246-795-00	CARBON	10K		1/8W	
R299	1-246-808-00	CARBON	120K		1/8W	
R300	1-246-838-00	CARBON	360		1/8W	
R301	1-246-473-00	CARBON	1K	5%	1/4W	

VARIABLE RESISTOR

Ref.No	Part No	Description
RV001	1-226-851-00	RES, ADJ, CARBON 10K
RV002	1-224-250-XX	RES, ADJ, METAL GLAZE 2.2K
RV003	1-226-854-00	RES, ADJ, CARBON 100K
RV004	1-226-846-00	RES, ADJ, CARBON 470
RV005	1-226-847-00	RES, ADJ, CARBON 1K
RV006	1-226-853-00	RES, ADJ, CARBON 47K
RV007	1-226-850-00	RES, ADJ, CARBON 4.7K
RV008	1-226-848-00	RES, ADJ, CARBON 2.2K
RV009	1-226-848-00	RES, ADJ, CARBON 2.2K
RV010	1-226-847-00	RES, ADJ, CARBON 1K
RV011	1-226-847-00	RES, ADJ, CARBON 1K
RV012	1-226-850-00	RES, ADJ, CARBON 4.7K
RV013	1-226-852-00	RES, ADJ, CARBON 22K
RV014	1-226-851-00	RES, ADJ, CARBON 10K
RV015	1-226-846-00	RES, ADJ, CARBON 470
RV016	1-226-847-00	RES, ADJ, CARBON 1K
RV017	1-226-847-00	RES, ADJ, CARBON 1K
RV018	1-226-857-00	RES, ADJ, CARBON 470K
RV019	1-226-848-00	RES, ADJ, CARBON 2.2K
RV020	1-226-851-00	RES, ADJ, CARBON 10K
RV021	1-226-850-00	RES, ADJ, CARBON 4.7K
RV022	1-226-845-31	RES, ADJ, CARBON 330
RV023	1-226-850-00	RES, ADJ, CARBON 4.7K

TRANSFORMER

Ref.No	Part No	Description
T001	1-409-321-00	COIL, TRAP
T002	1-408-673-00	COIL, EQT
T003	1-426-093-00	COIL, REC C BPT
T004	1-408-672-00	COIL, BAT; ACC TUNE
T005	1-408-671-00	COIL, PST
T006	1-406-010-00	COIL, OSC; 4.43MHz
T007	1-405-803-00	COIL, OSC; 4.43MHz
T008	1-426-064-00	COIL (BPT); 5.12MHz
T009	1-411-110-00	COIL (TUNING-T); 5.12MHz

CRYSTAL

Ref.No	Part No	Description
X001	1-527-345-00	CRYSTAL, OSC
X002	1-527-353-00	CRYSTAL, OSC

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♠:A-6728-416-A RF-4 BOARD, COMPLETE

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♠:3-674-128-00 CASE (B), SHIELD, RF
♠:3-674-142-00 CASE (D), SHIELD, RF
♠:3-674-148-00 CASE (E), SHIELD, RF

CAPACITOR

Ref.No	Part No	Description				Remark
C001	1-123-380-00	ELECT	1MF	20%	50V	
C002	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C003	1-101-006-00	CERAMIC	0.047MF		50V	
C004	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C006	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C007	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C008	1-123-381-00	ELECT	2.2MF	20%	50V	
C009	1-161-328-51	CERAMIC	0.0047MF	30%	50V	
C010	1-161-267-00	CERAMIC	47PF	5%	50V	
C011	1-101-882-00	CERAMIC	51PF	5%	50V	
C013	1-123-318-00	ELECT	33MF	20%	16V	
C014	1-161-319-00	CERAMIC	470PF	10%	50V	
C015	1-161-271-00	CERAMIC	100PF	5%	50V	
C016	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C017	1-123-380-00	ELECT	1MF	20%	50V	
C018	1-101-006-00	CERAMIC	0.047MF		50V	
C019	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C020	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C021	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C022	1-161-317-00	CERAMIC	330PF	10%	50V	
C023	1-131-371-00	TANTALUM	10MF	20%	16V	
C024	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C025	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C026	1-101-005-00	CERAMIC	0.022MF		50V	
C027	1-123-318-00	ELECT	33MF	20%	16V	
C028	1-161-051-00	CERAMIC	0.01MF	30%	25V	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

RF-4

Ref.No	Part No	Description			Remark
C029	1-123-379-00	ELECT	0.47MF	20%	50V
C030	1-102-950-00	CERAMIC	13PF	5%	50V
C031	1-101-882-00	CERAMIC	51PF	5%	50V
C032	1-101-882-00	CERAMIC	51PF	5%	50V
C033	1-102-950-00	CERAMIC	13PF	5%	50V
C034	1-123-296-00	ELECT	220MF	20%	6.3V
C035	1-123-380-00	ELECT	1MF	20%	50V
C036	1-161-271-00	CERAMIC	100PF	5%	50V
C037	1-161-272-00	CERAMIC	120PF	5%	50V
C038	1-123-307-00	ELECT	100MF	20%	10V
C039	1-161-006-00	CERAMIC	0.0027MF	10%	25V
C040	1-102-117-00	CERAMIC	820PF	10%	50V
C041	1-123-321-00	ELECT	220MF	20%	16V
C042	1-123-356-00	ELECT	10MF	20%	16V
C043	1-123-356-00	ELECT	10MF	20%	16V
C044	1-161-051-00	CERAMIC	0.01MF	30%	25V
C045	1-123-332-00	ELECT	47MF	20%	16V
C046	1-161-017-00	CERAMIC	0.022MF	10%	25V
C047	1-123-332-00	ELECT	47MF	20%	16V
C048	1-161-051-00	CERAMIC	0.01MF	30%	25V
C049	1-102-529-00	CERAMIC	100PF	5%	50V
C050	1-161-051-00	CERAMIC	0.01MF	30%	25V
C051	1-161-051-00	CERAMIC	0.01MF	30%	25V
C052	1-161-263-00	CERAMIC	22PF	5%	50V
C053	1-161-051-00	CERAMIC	0.01MF	30%	25V
C054	1-161-051-00	CERAMIC	0.01MF	30%	25V
C056	1-161-021-00	CERAMIC	0.047MF	10%	25V
C057	1-131-371-00	TANTALUM	10MF	20%	16V
C058	1-131-371-00	TANTALUM	10MF	20%	16V
C059	1-123-296-00	ELECT	220MF	20%	6.3V
C060	1-161-494-00	CERAMIC	0.022MF	30%	25V
C061	1-123-307-00	ELECT	100MF	20%	10V
C062	1-161-051-00	CERAMIC	0.01MF	30%	25V
C063	1-161-015-00	CERAMIC	0.015MF	10%	25V
C065	1-102-947-00	CERAMIC	10PF	5%	50V

CONNECTOR

Ref.No	Part No	Description
CN001♠:	1-508-797-00	PIN, CONNECTOR 4P
CN002♠:	1-508-845-00	PIN, CONNECTOR 6P
CN003♠:	1-508-846-00	PIN, CONNECTOR 8P
CN004♠:	1-508-847-00	PIN, CONNECTOR 4P
CN005♠:	1-508-743-00	PIN, CONNECTOR 5P
CN006♠:	1-508-916-00	CONNECTOR PIN 2P

DIODE

Ref.No	Part No	Description
D001	=>8-719-911-19	DIODE 1SS119
D002	=>8-719-911-19	DIODE 1SS119
D003	=>8-719-911-19	DIODE 1SS119
D004	=>8-719-911-19	DIODE 1SS119
D005	=>8-719-911-19	DIODE 1SS119
D006	=>8-719-911-19	DIODE 1SS119
D007	=>8-719-911-19	DIODE 1SS119

DELAY LINE

Ref.No	Part No	Description	Remark
DL001	1-415-203-00	DELAY LINE	

IC

Ref.No	Part No	Description	Remark
IC001	8-751-340-00	IC CX134A	
IC002	8-751-350-00	IC CX135	

COIL

Ref.No	Part No	Description	Remark
L001	1-408-029-00	MICRO INDUCTOR 0.56UH	
L002	1-408-029-00	MICRO INDUCTOR 0.56UH	
L003	1-408-158-00	MICRO INDUCTOR 6.8MMH	
L004	1-408-158-00	MICRO INDUCTOR 6.8MMH	
L005	1-408-444-11	MICRO INDUCTOR 15UH	
L006	1-408-444-11	MICRO INDUCTOR 15UH	
L007	1-408-455-11	MICRO INDUCTOR 120UH	
L008	1-407-717-00	MICRO INDUCTOR 1MMH	
L009	1-408-442-11	MICRO INDUCTOR 10UH	
L010	1-408-455-11	MICRO INDUCTOR 120UH	
L011	1-408-424-00	MICRO INDUCTOR 180UH	
L012	1-408-455-11	MICRO INDUCTOR 120UH	
L013	1-408-456-11	MICRO INDUCTOR 150UH	
L014	1-408-445-11	MICRO INDUCTOR 18UH	
L015	1-408-445-11	MICRO INDUCTOR 18UH	
L016	1-408-454-11	MICRO INDUCTOR 100UH	

TRANSISTOR

Ref.No	Part No	Description	Remark
Q001	=>8-729-178-54	TRANSISTOR 2SC2785	
Q002	8-765-422-00	TRANSISTOR 2SK152-3	
Q003	=>8-729-178-54	TRANSISTOR 2SC2785	
Q004	=>8-729-178-54	TRANSISTOR 2SC2785	
Q005	8-765-422-00	TRANSISTOR 2SK152-3	
Q006	=>8-729-178-54	TRANSISTOR 2SC2785	
Q007	=>8-729-663-47	TRANSISTOR 2SC1364	
Q008	8-729-384-48	TRANSISTOR 2SA844	
Q009	=>8-729-612-77	TRANSISTOR 2SA1027R	
Q010	=>8-729-663-47	TRANSISTOR 2SC1364	
Q011	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q012	8-729-384-48	TRANSISTOR 2SA844	
Q013	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q014	=>8-729-603-50	TRANSISTOR 2SC403SP	
Q015	=>8-729-178-54	TRANSISTOR 2SC2785	

RESISTOR

Ref.No	Part No	Description				Remark
R001	1-246-485-00	CARBON	3.3K	5%	1/4W	
R002	1-246-463-00	CARBON	390	5%	1/4W	
R003	1-246-497-00	CARBON	10K	5%	1/4W	
R004	1-246-468-00	CARBON	620	5%	1/4W	
R005	1-246-463-00	CARBON	390	5%	1/4W	
R006	1-246-497-00	CARBON	10K	5%	1/4W	
R007 ⚠	1-212-855-00	FUSIBLE	8.2	5%	1/4W	F
R008	1-246-491-00	CARBON	5.6K	5%	1/4W	
R009	1-246-464-00	CARBON	430	5%	1/4W	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : µF, PF : µµF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : µH

Ref.No	Part No	Description				Remark
R010	1-246-421-00	CARBON	6.8	5%	1/4W	
R011	1-246-457-00	CARBON	220	5%	1/4W	
R012 ⚠	1-212-855-00	FUSIBLE	8.2	5%	1/4W	F
R013	1-246-481-00	CARBON	2.2K	5%	1/4W	
R014	1-246-481-00	CARBON	2.2K	5%	1/4W	
R015	1-246-481-00	CARBON	2.2K	5%	1/4W	
R016	1-246-481-00	CARBON	2.2K	5%	1/4W	
R017	1-246-473-00	CARBON	1K	5%	1/4W	
R018	1-246-473-00	CARBON	1K	5%	1/4W	
R019	1-246-467-00	CARBON	560	5%	1/4W	
R020	1-246-475-00	CARBON	1.2K	5%	1/4W	
R021	1-246-491-00	CARBON	5.6K	5%	1/4W	
R022	1-246-497-00	CARBON	10K	5%	1/4W	
R023	1-246-463-00	CARBON	390	5%	1/4W	
R024	1-246-485-00	CARBON	3.3K	5%	1/4W	
R025	1-246-497-00	CARBON	10K	5%	1/4W	
R026	1-246-463-00	CARBON	390	5%	1/4W	
R027	1-246-468-00	CARBON	620	5%	1/4W	
R028	1-246-473-00	CARBON	1K	5%	1/4W	
R029	1-246-491-00	CARBON	5.6K	5%	1/4W	
R030	1-246-468-00	CARBON	620	5%	1/4W	
R031	1-246-481-00	CARBON	2.2K	5%	1/4W	
R032	1-246-489-00	CARBON	4.7K	5%	1/4W	
R033	1-246-451-00	CARBON	120	5%	1/4W	
R034	1-246-509-00	CARBON	33K	5%	1/4W	
R035 ⚠	1-212-855-00	FUSIBLE	8.2	5%	1/4W	F
R036 ⚠	1-212-855-00	FUSIBLE	8.2	5%	1/4W	F
R037	1-246-502-00	CARBON	16K	5%	1/4W	
R038	1-246-485-00	CARBON	3.3K	5%	1/4W	
R039	1-246-473-00	CARBON	1K	5%	1/4W	
R040	1-246-469-00	CARBON	680	5%	1/4W	
R041	1-246-463-00	CARBON	390	5%	1/4W	
R042	1-246-519-00	CARBON	82K	5%	1/4W	
R043	1-246-497-00	CARBON	10K	5%	1/4W	
R044	1-246-464-00	CARBON	430	5%	1/4W	
R045	1-246-515-00	CARBON	56K	5%	1/4W	
R046	1-246-422-00	CARBON	7.5	5%	1/4W	
R047 ⚠	1-246-989-11	CARBON	82	5%	1/8W	F
R048	1-246-497-00	CARBON	10K	5%	1/4W	
R049	1-246-477-00	CARBON	1.5K	5%	1/4W	
R050	1-246-477-00	CARBON	1.5K	5%	1/4W	
R051	1-246-449-00	CARBON	100	5%	1/4W	
R052 ⚠	1-246-986-11	CARBON	39	5%	1/8W	F
R053	1-246-475-00	CARBON	1.2K	5%	1/4W	
R054	1-246-479-00	CARBON	1.8K	5%	1/4W	
R055	1-246-468-00	CARBON	620	5%	1/4W	
R057	1-246-521-00	CARBON	100K	5%	1/4W	
R058	1-246-496-00	CARBON	9.1K	5%	1/4W	
R059	1-246-500-00	CARBON	13K	5%	1/4W	
R060	1-246-473-00	CARBON	1K	5%	1/4W	
R061	1-246-469-00	CARBON	680	5%	1/4W	
R062	1-246-441-00	CARBON	47	5%	1/4W	
R065	1-246-481-00	CARBON	2.2K	5%	1/4W	

Ref.No	Part No	Description				Remark
R066	1-246-465-00	CARBON	470	5%	1/4W	
R067	1-246-480-00	CARBON	2K	5%	1/4W	
R068	1-246-491-00	CARBON	5.6K	5%	1/4W	
R069	1-246-487-00	CARBON	3.9K	5%	1/4W	
R070	1-246-479-00	CARBON	1.8K	5%	1/4W	
R071	1-246-459-00	CARBON	270	5%	1/4W	
R072	1-246-449-00	CARBON	100	5%	1/4W	
R073	1-246-459-00	CARBON	270	5%	1/4W	
R074	1-246-467-00	CARBON	560	5%	1/4W	
R075	1-246-501-00	CARBON	15K	5%	1/4W	
R076	1-246-453-00	CARBON	150	5%	1/4W	
R077	1-246-503-00	CARBON	18K	5%	1/4W	
R078	1-246-477-00	CARBON	1.5K	5%	1/4W	
R079	1-246-449-00	CARBON	100	5%	1/4W	
R080	1-246-465-00	CARBON	470	5%	1/4W	
R081	1-246-497-00	CARBON	10K	5%	1/4W	
R082	1-246-451-00	CARBON	120	5%	1/4W	
R083	1-246-451-00	CARBON	120	5%	1/4W	
R084	1-246-468-00	CARBON	620	5%	1/4W	
R085	1-246-497-00	CARBON	10K	5%	1/4W	

VARIABLE RESISTOR

RV001	1-224-250-XX	RES, ADJ, METAL GLAZE 2.2K
RV002	1-224-250-XX	RES, ADJ, METAL GLAZE 2.2K
RV003	1-226-848-00	RES, ADJ, CARBON 2.2K
RV004	1-226-850-00	RES, ADJ, CARBON 4.7K
RV005	1-226-847-00	RES, ADJ, CARBON 1K
RV006	1-226-849-00	RES, ADJ, CARBON 3.3K
RV007	1-224-249-XX	RES, ADJ, METAL GLAZE 1K

TRANSFORMER

T001	1-427-455-00	TRANSFORMER, I/O PUT
T002	1-427-455-00	TRANSFORMER, I/O PUT

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♣:A-6713-126-A SS-9 BOARD, COMPLETE
****

♣:3-655-214-00 CLIP, CABLE

CAPACITOR

C001	1-101-006-00	CERAMIC	0.047MF		50V
C002	1-123-901-00	ELECT	2.2MF	20%	50V
C004	1-130-474-00	MYLAR	0.0018MF	5%	50V
C005	1-123-379-00	ELECT	0.47MF	20%	50V
C006	1-101-006-00	CERAMIC	0.047MF		50V
C007	1-131-398-00	ELECT(SOLID)	0.22MF	10%	16V
C008	1-131-398-00	ELECT(SOLID)	0.22MF	10%	16V
C009	1-130-477-00	MYLAR	0.0033MF	5%	50V
C012	1-123-356-00	ELECT	10MF	20%	16V
C013	1-123-296-00	ELECT	220MF	20%	6.3V
C014	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C015	1-161-328-51	CERAMIC	0.0047MF	30%	50V

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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- Items marked " ♣ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

SS-9

Ref.No	Part No	Description			Remark
C016	1-127-470-00	ELECT	0.47MF	5%	16V
C017	1-123-328-00	ELECT	4.7MF	20%	25V
C018	1-131-413-00	ELECT(SOLID)	1MF	10%	16V
C019	1-101-006-00	CERAMIC	0.047MF		50V
C020	1-123-901-00	ELECT	2.2MF	20%	50V
C022	1-101-006-00	CERAMIC	0.047MF		50V
C023	1-123-296-00	ELECT	220MF	20%	6.3V
C024	1-123-356-00	ELECT	10MF	20%	16V
C025	1-123-356-00	ELECT	10MF	20%	16V
C026	1-123-333-00	ELECT	100MF	20%	16V
C027	1-123-298-00	ELECT	470MF	20%	6.3V
C028	1-161-265-00	CERAMIC	33PF	5%	50V
C029	1-161-494-00	CERAMIC	0.022MF	30%	25V
C030	1-161-021-00	CERAMIC	0.047MF	10%	25V
C031	1-123-381-00	ELECT	2.2MF	20%	50V
C032	1-123-332-00	ELECT	47MF	20%	16V
C033	1-123-330-00	ELECT	22MF	20%	16V
C034	1-123-381-00	ELECT	2.2MF	20%	50V
C040	1-101-006-00	CERAMIC	0.047MF		50V
C041	1-123-356-00	ELECT	10MF	20%	16V
C042	1-130-487-00	MYLAR	0.022MF	5%	50V
C043	1-130-487-00	MYLAR	0.022MF	5%	50V
C044	1-127-433-51	ELECT(SOLID)	0.1MF	10%	16V
C045	1-161-323-00	CERAMIC	0.001MF	10%	50V
C046	1-101-006-00	CERAMIC	0.047MF		50V
C047	1-123-901-00	ELECT	2.2MF	20%	50V
C049	1-101-006-00	CERAMIC	0.047MF		50V
C050	1-127-437-51	ELECT(SOLID)	0.47MF	10%	16V
C051	1-123-333-00	ELECT	100MF	20%	16V
C052	1-130-495-00	MYLAR	0.1MF	5%	50V
C053	1-161-323-00	CERAMIC	0.001MF	10%	50V
C054	1-131-413-00	ELECT(SOLID)	1MF	10%	16V
C055	1-123-379-00	ELECT	0.47MF	20%	50V
C056	1-101-006-00	CERAMIC	0.047MF		50V
C057	1-161-051-00	CERAMIC	0.01MF	30%	25V
C058	1-127-433-51	ELECT(SOLID)	0.1MF	10%	16V
C059	1-161-323-00	CERAMIC	0.001MF	10%	50V
C060	1-127-470-00	ELECT	0.47MF	5%	16V
C061	1-131-415-00	ELECT(SOLID)	0.68MF	10%	16V
C062	1-123-323-11	ELECT	470MF		16V
C063	1-127-437-51	ELECT(SOLID)	0.47MF	10%	16V
C064	1-123-382-00	ELECT	3.3MF	20%	50V
C065	1-123-318-00	ELECT	33MF	20%	16V
C066	1-130-026-00	FILM	0.0047MF	5%	50V
C067	1-161-323-00	CERAMIC	0.001MF	10%	50V
C068	1-102-978-00	CERAMIC	220PF	5%	50V
C069	1-161-323-00	CERAMIC	0.001MF	10%	50V
C070	1-123-328-00	ELECT	4.7MF	20%	25V
C071	1-161-313-00	CERAMIC	150PF	10%	50V
C072	1-108-573-00	MYLAR	0.0056MF	5%	50V
C073	1-161-772-11	CERAMIC	0.1MF	10%	25V
C074	1-101-004-00	CERAMIC	0.01MF		50V
C075	1-123-319-00	ELECT	47MF	20%	16V

Ref.No	Part No	Description			Remark
C080	1-101-004-00	CERAMIC	0.01MF		50V
C081	1-101-004-00	CERAMIC	0.01MF		50V
C501	1-102-980-00	CERAMIC	270PF	5%	50V
C502	1-102-114-00	CERAMIC	470PF	10%	50V
C504	1-123-380-00	ELECT	1MF	20%	50V
C505	1-123-379-00	ELECT	0.47MF	20%	50V
C506	1-123-380-00	ELECT	1MF	20%	50V
C507	1-123-380-00	ELECT	1MF	20%	50V
C508	1-123-356-00	ELECT	10MF	20%	16V
C510	1-161-323-00	CERAMIC	0.001MF	10%	50V
C511	1-161-323-00	CERAMIC	0.001MF	10%	50V

FILTER

CF501	1-527-532-00	OSCILLATOR, CERAMIC

CONNECTOR

CN002♠:	1-508-742-00	PIN, CONNECTOR 3P
CN003♠:	1-508-742-00	PIN, CONNECTOR 3P
CN004♠:	1-508-742-00	PIN, CONNECTOR 3P
CN006♠:	1-508-845-00	PIN, CONNECTOR 6P
CN007♠:	1-508-744-00	PIN, CONNECTOR 10P
CN008♠:	1-508-744-00	PIN, CONNECTOR 10P
CN009	1-508-910-00	PIN, CONNECTOR 12P
CN010♠:	1-508-910-00	PIN, CONNECTOR 12P
CN011♠:	1-508-742-00	PIN, CONNECTOR 3P

DIODE

D001	=>8-719-911-19	DIODE 1SS119
D002	=>8-719-911-19	DIODE 1SS119
D003	=>8-719-911-19	DIODE 1SS119
D004	=>8-719-911-19	DIODE 1SS119
D007	=>8-719-911-19	DIODE 1SS119
D008	=>8-719-911-19	DIODE 1SS119
D009	=>8-719-911-19	DIODE 1SS119
D010	=>8-719-911-19	DIODE 1SS119
D019	8-719-100-68	DIODE RD13EB2
D020	=>8-719-911-19	DIODE 1SS119
D021	=>8-719-100-39	DIODE RD6.2EB3
D022	=>8-719-911-19	DIODE 1SS119
D024	=>8-719-911-19	DIODE 1SS119
D028	=>8-719-815-55	DIODE 1S1555
D029	=>8-719-815-55	DIODE 1S1555
D030	=>8-719-911-19	DIODE 1SS119
D031	=>8-719-911-19	DIODE 1SS119
D501	8-719-200-02	DIODE 10E-2
D502	8-719-200-02	DIODE 10E-2
D503	=>8-719-911-19	DIODE 1SS119
D504	8-719-100-44	DIODE RD7.5EB2
D506	=>8-719-911-19	DIODE 1SS119
D507	8-719-100-35	DIODE RD5.6EB2
D508	=>8-719-911-19	DIODE 1SS119
D509	8-719-100-44	DIODE RD7.5EB2

NOTE:

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description	Remark
D510	=>8-719-911-19	DIODE 1SS119	
D511	=>8-719-911-19	DIODE 1SS119	
D512	=>8-719-911-19	DIODE 1SS119	
D513	=>8-719-911-19	DIODE 1SS119	
D515	=>8-719-911-19	DIODE 1SS119	
D516	=>8-719-911-19	DIODE 1SS119	

IC

Ref.No	Part No	Description	Remark
IC001	8-751-430-00	IC CX143A	
IC002	8-759-271-20	IC TA7120P	
IC003	=>8-759-601-86	IC CX186M	
IC004	8-759-100-06	IC UPC4556C	
IC501	8-759-100-38	IC UPD553C167	

COIL

Ref.No	Part No	Description	Remark
L001	1-407-171-XX	MICRO INDUCTOR 150UH	

TRANSISTOR

Ref.No	Part No	Description	Remark
Q001	8-729-178-54	TRANSISTOR 2SC2785	
Q002	8-729-178-54	TRANSISTOR 2SC2785	
Q003	8-729-178-54	TRANSISTOR 2SC2785	
Q006	8-729-178-54	TRANSISTOR 2SC2785	
Q007	8-729-178-54	TRANSISTOR 2SC2785	
Q008	8-729-178-54	TRANSISTOR 2SC2785	
Q009	=>8-729-117-54	TRANSISTOR 2SA1175	
Q010	=>8-729-117-54	TRANSISTOR 2SA1175	
Q014	8-729-178-54	TRANSISTOR 2SC2785	
Q015	8-729-178-54	TRANSISTOR 2SC2785	
Q016	=>8-729-373-92	TRANSISTOR 2SB739	
Q017	=>8-729-117-54	TRANSISTOR 2SA1175	
Q018	8-729-178-54	TRANSISTOR 2SC2785	
Q019	=>8-729-117-54	TRANSISTOR 2SA1175	
Q028	8-729-178-54	TRANSISTOR 2SC2785	
Q029	8-729-178-54	TRANSISTOR 2SC2785	
Q030	=>8-729-117-54	TRANSISTOR 2SA1175	
Q032	=>8-729-117-54	TRANSISTOR 2SA1175	
Q033	8-729-178-54	TRANSISTOR 2SC2785	
Q501	8-729-117-54	TRANSISTOR 2SA1175	
Q502	8-729-178-54	TRANSISTOR 2SC2785	
Q503	8-729-178-54	TRANSISTOR 2SC2785	
Q504	8-729-178-54	TRANSISTOR 2SC2785	
Q505	8-729-178-54	TRANSISTOR 2SC2785	
Q506	8-729-178-54	TRANSISTOR 2SC2785	
Q507	8-729-178-54	TRANSISTOR 2SC2785	
Q509	=>8-729-117-54	TRANSISTOR 2SA1175	
Q510	=>8-729-373-92	TRANSISTOR 2SB739	
Q511	=>8-729-117-54	TRANSISTOR 2SA1175	
Q512	=>8-729-117-54	TRANSISTOR 2SA1175	
Q513	=>8-729-117-54	TRANSISTOR 2SA1175	
Q515	8-729-178-54	TRANSISTOR 2SC2785	
Q516	8-729-178-54	TRANSISTOR 2SC2785	
Q517	8-729-178-54	TRANSISTOR 2SC2785	
Q518	8-729-178-54	TRANSISTOR 2SC2785	
Q519	8-729-178-54	TRANSISTOR 2SC2785	
Q520	8-729-178-54	TRANSISTOR 2SC2785	
Q521	8-729-178-54	TRANSISTOR 2SC2785	
Q522	8-729-178-54	TRANSISTOR 2SC2785	
Q523	8-729-178-54	TRANSISTOR 2SC2785	
Q526	=>8-729-117-54	TRANSISTOR 2SA1175	
Q527	8-729-178-54	TRANSISTOR 2SC2785	
Q528	8-729-117-54	TRANSISTOR 2SA1175	

RESISTOR

Ref.No	Part No	Description				Remark
R001	1-246-475-00	CARBON	1.2K	5%	1/4W	
R002	1-246-497-00	CARBON	10K	5%	1/4W	
R003	1-246-509-00	CARBON	33K	5%	1/4W	
R004	1-246-491-00	CARBON	5.6K	5%	1/4W	
R005	1-246-489-00	CARBON	4.7K	5%	1/4W	
R006	1-246-545-00	CARBON	1M	5%	1/4W	
R007	1-246-507-00	CARBON	27K	5%	1/4W	
R008	1-246-493-00	CARBON	6.8K	5%	1/4W	
R009	1-246-493-00	CARBON	6.8K	5%	1/4W	
R010	1-246-507-00	CARBON	27K	5%	1/4W	
R011	1-246-517-00	CARBON	68K	5%	1/4W	
R012	1-246-473-00	CARBON	1K	5%	1/4W	
R013	1-246-507-00	CARBON	27K	5%	1/4W	
R014	1-246-520-00	CARBON	91K	5%	1/4W	
R015	1-246-485-00	CARBON	3.3K	5%	1/4W	
R019	1-246-485-00	CARBON	3.3K	5%	1/4W	
R020	1-246-485-00	CARBON	3.3K	5%	1/4W	
R021	1-246-497-00	CARBON	10K	5%	1/4W	
R022	1-246-501-00	CARBON	15K	5%	1/4W	
R023	1-246-509-00	CARBON	33K	5%	1/4W	
R024	1-246-489-00	CARBON	4.7K	5%	1/4W	
R025	1-246-519-00	CARBON	82K	5%	1/4W	
R026	1-246-474-00	CARBON	1.1K	5%	1/4W	
R027	1-246-509-00	CARBON	33K	5%	1/4W	
R028	1-246-501-00	CARBON	15K	5%	1/4W	
R029	1-246-505-00	CARBON	22K	5%	1/4W	
R030	1-246-469-00	CARBON	680	5%	1/4W	
R031	1-246-501-00	CARBON	15K	5%	1/4W	
R032	1-246-497-00	CARBON	10K	5%	1/4W	
R033	1-246-535-00	CARBON	390K	5%	1/4W	
R034	1-246-497-00	CARBON	10K	5%	1/4W	
R035	1-246-459-00	CARBON	270	5%	1/4W	
R036	1-246-479-00	CARBON	1.8K	5%	1/4W	
R038	1-246-504-00	CARBON	20K	5%	1/4W	
R047	1-246-489-00	CARBON	4.7K	5%	1/4W	
R048	1-246-514-00	CARBON	51K	5%	1/4W	
R049	1-246-455-00	CARBON	180	5%	1/4W	
R050	1-246-477-00	CARBON	1.5K	5%	1/4W	
R051	1-246-473-00	CARBON	1K	5%	1/4W	
R052	1-246-511-00	CARBON	39K	5%	1/4W	
R053	1-246-501-00	CARBON	15K	5%	1/4W	
R054	1-246-473-00	CARBON	1K	5%	1/4W	
R055	1-246-515-00	CARBON	56K	5%	1/4W	

NOTE:

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CAPACITORS
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RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

SS-9

Ref.No	Part No	Description				Remark
R056	1-246-527-00	CARBON	180K	5%	1/4W	
R057	1-246-471-00	CARBON	820	5%	1/4W	
R058	1-246-477-00	CARBON	1.5K	5%	1/4W	
R059	1-246-462-00	CARBON	360	5%	1/4W	
R060	1-246-483-00	CARBON	2.7K	5%	1/4W	
R061	1-246-485-00	CARBON	3.3K	5%	1/4W	
R062	1-246-443-00	CARBON	56	5%	1/4W	
R063	1-246-501-00	CARBON	15K	5%	1/4W	
R064	1-246-521-00	CARBON	100K	5%	1/4W	
R065	1-246-495-00	CARBON	8.2K	5%	1/4W	
R066	1-246-513-00	CARBON	47K	5%	1/4W	
R067	1-246-505-00	CARBON	22K	5%	1/4W	
R068	1-246-507-00	CARBON	27K	5%	1/4W	
R069	1-246-449-00	CARBON	100	5%	1/4W	
R070	1-246-497-00	CARBON	10K	5%	1/4W	
R071	1-246-497-00	CARBON	10K	5%	1/4W	
R091	1-246-520-00	CARBON	91K	5%	1/4W	
R092	1-246-508-00	CARBON	30K	5%	1/4W	
R093	1-246-511-00	CARBON	39K	5%	1/4W	
R094	1-246-511-00	CARBON	39K	5%	1/4W	
R095	1-246-493-00	CARBON	6.8K	5%	1/4W	
R096	1-246-493-00	CARBON	6.8K	5%	1/4W	
R097	1-202-472-00	COMPOSITION	5.1M	5%	1/4W	
R098	1-246-514-00	CARBON	51K	5%	1/4W	
R099	1-246-489-00	CARBON	4.7K	5%	1/4W	
R101	1-246-429-00	CARBON	15	5%	1/4W	
R102	1-214-152-00	METAL	6.8K	1%	1/4W	
R103	1-246-519-00	CARBON	82K	5%	1/4W	
R104	1-246-509-00	CARBON	33K	5%	1/4W	
R105	1-246-495-00	CARBON	8.2K	5%	1/4W	
R106	1-246-523-00	CARBON	120K	5%	1/4W	
R107	1-246-497-00	CARBON	10K	5%	1/4W	
R108	1-246-519-00	CARBON	82K	5%	1/4W	
R109	1-246-501-00	CARBON	15K	5%	1/4W	
R110	1-246-532-00	CARBON	300K	5%	1/4W	
R111	1-246-465-00	CARBON	470	5%	1/4W	
R112	1-246-479-00	CARBON	1.8K	5%	1/4W	
R113	1-246-489-00	CARBON	4.7K	5%	1/4W	
R114	1-246-503-00	CARBON	18K	5%	1/4W	
R115	1-246-473-00	CARBON	1K	5%	1/4W	
R116	1-246-509-00	CARBON	33K	5%	1/4W	
R117	1-246-496-00	CARBON	9.1K	5%	1/4W	
R118	1-246-496-00	CARBON	9.1K	5%	1/4W	
R119	1-246-509-00	CARBON	33K	5%	1/4W	
R120	1-246-442-00	CARBON	51	5%	1/4W	
R121	1-246-509-00	CARBON	33K	5%	1/4W	
R122	1-246-503-00	CARBON	18K	5%	1/4W	
R123	1-246-497-00	CARBON	10K	5%	1/4W	
R125	1-246-527-00	CARBON	180K	5%	1/4W	
R126	1-246-497-00	CARBON	10K	5%	1/4W	
R128	1-246-499-00	CARBON	12K	5%	1/4W	
R129	1-246-495-00	CARBON	8.2K	5%	1/4W	
R130	1-246-517-00	CARBON	68K	5%	1/4W	

Ref.No	Part No	Description				Remark
R131	1-246-501-00	CARBON	15K	5%	1/4W	
R132	1-246-501-00	CARBON	15K	5%	1/4W	
R134	1-246-477-00	CARBON	1.5K	5%	1/4W	
R135	1-246-535-00	CARBON	390K	5%	1/4W	
R136	1-246-497-00	CARBON	10K	5%	1/4W	
R137	1-246-497-00	CARBON	10K	5%	1/4W	
R139	1-202-472-00	COMPOSITION	5.1M	5%	1/4W	
R143	1-246-473-00	CARBON	1K	5%	1/4W	
R144	1-246-521-00	CARBON	100K	5%	1/4W	
R145	1-246-499-00	CARBON	12K	5%	1/4W	
R146	1-246-513-00	CARBON	47K	5%	1/4W	
R147	1-246-527-00	CARBON	180K	5%	1/4W	
R148	1-246-497-00	CARBON	10K	5%	1/4W	
R149	1-246-509-00	CARBON	33K	5%	1/4W	
R150	1-246-542-00	CARBON	750K	5%	1/4W	
R151	1-246-473-00	CARBON	1K	5%	1/4W	
R153	⚠.1-212-855-11	FUSIBLE	8.2K	5%	1/4W	F
R501	1-246-485-00	CARBON	3.3K	5%	1/4W	
R502	1-246-521-00	CARBON	100K	5%	1/4W	
R503	1-246-497-00	CARBON	10K	5%	1/4W	
R504	1-246-521-00	CARBON	100K	5%	1/4W	
R505	1-246-497-00	CARBON	10K	5%	1/4W	
R506	1-246-521-00	CARBON	100K	5%	1/4W	
R507	1-246-497-00	CARBON	10K	5%	1/4W	
R508	1-246-521-00	CARBON	100K	5%	1/4W	
R509	1-246-497-00	CARBON	10K	5%	1/4W	
R510	1-246-521-00	CARBON	100K	5%	1/4W	
R511	1-246-495-00	CARBON	8.2K	5%	1/4W	
R512	1-246-492-00	CARBON	6.2K	5%	1/4W	
R513	1-246-521-00	CARBON	100K	5%	1/4W	
R514	1-246-505-00	CARBON	22K	5%	1/4W	
R515	1-246-521-00	CARBON	100K	5%	1/4W	
R516	1-246-497-00	CARBON	10K	5%	1/4W	
R517	1-246-521-00	CARBON	100K	5%	1/4W	
R519	1-246-481-00	CARBON	2.2K	5%	1/4W	
R520	1-246-481-00	CARBON	2.2K	5%	1/4W	
R521	1-246-497-00	CARBON	10K	5%	1/4W	
R522	1-246-515-00	CARBON	56K	5%	1/4W	
R523	1-246-515-00	CARBON	56K	5%	1/4W	
R524	1-246-497-00	CARBON	10K	5%	1/4W	
R525	1-246-481-00	CARBON	2.2K	5%	1/4W	
R526	1-246-481-00	CARBON	2.2K	5%	1/4W	
R527	1-246-481-00	CARBON	2.2K	5%	1/4W	
R528	1-246-481-00	CARBON	2.2K	5%	1/4W	
R529	1-246-481-00	CARBON	2.2K	5%	1/4W	
R530	1-246-481-00	CARBON	2.2K	5%	1/4W	
R531	1-246-497-00	CARBON	10K	5%	1/4W	
R532	1-246-497-00	CARBON	10K	5%	1/4W	
R533	1-246-505-00	CARBON	22K	5%	1/4W	
R534	1-246-505-00	CARBON	22K	5%	1/4W	
R536	1-246-505-00	CARBON	22K	5%	1/4W	
R537	1-246-497-00	CARBON	10K	5%	1/4W	
R538	1-246-505-00	CARBON	22K	5%	1/4W	
R539	1-246-505-00	CARBON	22K	5%	1/4W	

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RESISTORS
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COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description				Remark
R540	1-246-475-00	CARBON	1.2K	5%	1/4W	
R541	1-246-497-00	CARBON	10K	5%	1/4W	
R542	1-246-505-00	CARBON	22K	5%	1/4W	
R543	1-246-505-00	CARBON	22K	5%	1/4W	
R544	1-246-491-00	CARBON	5.6K	5%	1/4W	
R545	1-246-497-00	CARBON	10K	5%	1/4W	
R555	1-246-505-00	CARBON	22K	5%	1/4W	
R556	1-246-505-00	CARBON	22K	5%	1/4W	
R557	1-246-505-00	CARBON	22K	5%	1/4W	
R558	1-246-497-00	CARBON	10K	5%	1/4W	
R559	1-246-505-00	CARBON	22K	5%	1/4W	
R560	1-246-505-00	CARBON	22K	5%	1/4W	
R561	1-246-505-00	CARBON	22K	5%	1/4W	
R562	1-246-497-00	CARBON	10K	5%	1/4W	
R563	1-246-515-00	CARBON	56K	5%	1/4W	
R564	1-246-470-00	CARBON	750	5%	1/4W	
R570	1-246-519-00	CARBON	82K	5%	1/4W	
R571	1-246-505-00	CARBON	22K	5%	1/4W	
R572	1-246-519-00	CARBON	82K	5%	1/4W	
R573	1-246-505-00	CARBON	22K	5%	1/4W	
R574	1-246-519-00	CARBON	82K	5%	1/4W	
R575	1-246-505-00	CARBON	22K	5%	1/4W	
R576	1-246-519-00	CARBON	82K	5%	1/4W	
R577	1-246-505-00	CARBON	22K	5%	1/4W	
R578	1-246-519-00	CARBON	82K	5%	1/4W	
R579	1-246-505-00	CARBON	22K	5%	1/4W	
R580	1-246-519-00	CARBON	82K	5%	1/4W	
R581	1-246-505-00	CARBON	22K	5%	1/4W	
R582	1-246-497-00	CARBON	10K	5%	1/4W	
R583	1-246-497-00	CARBON	10K	5%	1/4W	
R584	1-246-473-00	CARBON	1K	5%	1/4W	
R585	1-246-471-00	CARBON	820	5%	1/4W	
R586	1-246-481-00	CARBON	2.2K	5%	1/4W	
R587	1-246-481-00	CARBON	2.2K	5%	1/4W	
R589	1-246-477-00	CARBON	1.5K	5%	1/4W	
R590	1-246-505-00	CARBON	22K	5%	1/4W	
R591	1-246-505-00	CARBON	22K	5%	1/4W	
R592	1-246-495-00	CARBON	8.2K	5%	1/4W	
R593	1-246-483-00	CARBON	2.7K	5%	1/4W	
R594	1-246-505-00	CARBON	22K	5%	1/4W	
R595	1-246-521-00	CARBON	100K	5%	1/4W	
R596	1-246-497-00	CARBON	10K	5%	1/4W	
R597	1-246-505-00	CARBON	22K	5%	1/4W	
R598	1-246-505-00	CARBON	22K	5%	1/4W	
R599	1-246-505-00	CARBON	22K	5%	1/4W	
R600	1-246-505-00	CARBON	22K	5%	1/4W	
R601	1-246-497-00	CARBON	10K	5%	1/4W	
R602	1-246-521-00	CARBON	100K	5%	1/4W	
R603	1-246-505-00	CARBON	22K	5%	1/4W	
R604	1-246-505-00	CARBON	22K	5%	1/4W	
R605	1-246-513-00	CARBON	47K	5%	1/4W	
R606	1-246-497-00	CARBON	10K	5%	1/4W	
R607	1-246-515-00	CARBON	56K	5%	1/4W	

Ref.No	Part No	Description				Remark
R612	1-246-505-00	CARBON	22K	5%	1/4W	
R613	1-246-505-00	CARBON	22K	5%	1/4W	
R614	1-246-505-00	CARBON	22K	5%	1/4W	
R615	1-246-497-00	CARBON	10K	5%	1/4W	
R616	1-246-505-00	CARBON	22K	5%	1/4W	
R617	1-246-505-00	CARBON	22K	5%	1/4W	
R618	1-246-473-00	CARBON	1K	5%	1/4W	
R620	1-246-513-00	CARBON	47K	5%	1/4W	
R621	1-246-537-00	CARBON	470K	5%	1/4W	
R622	1-246-537-00	CARBON	470K	5%	1/4W	
R623	1-246-521-00	CARBON	100K	5%	1/4W	
R624	1-246-497-00	CARBON	10K	5%	1/4W	
R625	1-246-521-00	CARBON	100K	5%	1/4W	
R626	1-246-537-00	CARBON	470K	5%	1/4W	
R627	1-246-515-00	CARBON	56K	5%	1/4W	

VARIABLE RESISTOR

Ref.No	Part No	Description
RV001	1-226-852-00	RES, ADJ, CARBON 22K
RV004	1-226-497-00	RES, VAR, CARBON 100K
RV006	1-226-853-00	RES, ADJ, CARBON 47K
RV007	1-226-853-00	RES, ADJ, CARBON 47K
RV008	1-226-853-00	RES, ADJ, CARBON 47K
RV009	0-394-912-00	RES, ADJ, METAL FILM 4.7K
RV010	1-226-853-00	RES, ADJ, CARBON 47K
RV011	1-226-849-00	RES, ADJ, CARBON 3.3K

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♠:A-6728-417-A AD-6 BOARD, COMPLETE

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♠:3-674-139-00 CASE (B), SHIELD, AD
♠:3-674-140-00 CASE (E), SHIELD, AD

CAPACITOR

Ref.No	Part No	Description			
C001	1-123-328-00	ELECT	4.7MF	20%	25V
C002	1-123-333-00	ELECT	100MF	20%	16V
C003	1-108-559-00	MYLAR	0.0015MF	5%	50V
C005	1-108-579-00	MYLAR	0.01MF	5%	50V
C006	1-123-382-00	ELECT	3.3MF	20%	50V
C007	1-123-382-00	ELECT	3.3MF	20%	50V
C008	1-123-321-00	ELECT	220MF	20%	16V
C009	1-123-356-00	ELECT	10MF	20%	16V
C010	1-161-322-00	CERAMIC	820PF	10%	50V
C011	1-161-320-00	CERAMIC	560PF	10%	50V
C012	1-101-361-00	CERAMIC	150PF	5%	50V
C013	1-123-382-00	ELECT	3.3MF	20%	50V
C014	1-108-587-00	MYLAR	0.022MF	5%	50V
C015	1-123-356-00	ELECT	10MF	20%	16V
C016	1-123-356-00	ELECT	10MF	20%	16V
C018	1-123-333-00	ELECT	100MF	20%	16V
C019	1-123-356-00	ELECT	10MF	20%	16V
C020	1-108-559-00	MYLAR	0.0015MF	5%	50V
C021	1-161-316-00	CERAMIC	270PF	10%	50V
C022	1-123-356-00	ELECT	10MF	20%	16V

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

AD-6 IF-19

Ref.No	Part No	Description			Remark
C023	1-129-709-00	FILM	0.0039MF	10%	630V
C024	1-108-381-00	MYLAR	0.022MF	10%	100V
C025	1-108-383-00	MYLAR	0.033MF	10%	100V
C026	1-123-332-00	ELECT	47MF	20%	16V
C027	1-123-333-00	ELECT	100MF	20%	16V
C028	1-107-166-00	MICA	62PF	5%	500V
C029	1-123-321-00	ELECT	220MF	20%	16V
C030	1-123-333-00	ELECT	100MF	20%	16V
C031	1-123-332-00	ELECT	47MF	20%	16V
C032	1-123-318-00	ELECT	33MF	20%	16V
C033	1-123-328-00	ELECT	4.7MF	20%	25V
C034	1-123-333-00	ELECT	100MF	20%	16V

CONNECTOR

CN001	♠:1-508-744-00	PIN, CONNECTOR 10P
CN002	♠:1-508-743-00	PIN, CONNECTOR 5P

DIODE

D001	=>8-719-911-19	DIODE 1SS119
D002	=>8-719-911-19	DIODE 1SS119
D003	=>8-719-100-57	DIODE RD10EB2
D004	=>8-719-911-19	DIODE 1SS119

IC

IC001	8-759-951-02	IC BA5102

COIL

L001	1-407-504-00	MICRO INDUCTOR 10MMH
L002	1-407-718-00	MICRO INDUCTOR 1.2MMH

VARIABLE COIL

LV001	1-407-240-00	MICRO INDUCTOR 22MMH

TRANSISTOR

Q001	8-729-177-43	TRANSISTOR 2SD774
Q002	8-729-178-54	TRANSISTOR 2SC2785
Q003	8-729-178-54	TRANSISTOR 2SC2785
Q004	8-729-908-62	TRANSISTOR 2SD786

RESISTOR

R001	1-246-425-00	CARBON	10	5%	1/4W
R003	1-246-455-00	CARBON	180	5%	1/4W
R004	1-246-528-00	CARBON	200K	5%	1/4W
R006	1-246-459-00	CARBON	270	5%	1/4W
R009	1-246-490-00	CARBON	5.1K	5%	1/4W
R010	1-246-504-00	CARBON	20K	5%	1/4W
R011	1-246-461-00	CARBON	330	5%	1/4W
R012	1-246-477-00	CARBON	1.5K	5%	1/4W
R013	1-246-459-00	CARBON	270	5%	1/4W
R016	1-246-509-00	CARBON	33K	5%	1/4W
R017	1-246-509-00	CARBON	33K	5%	1/4W
R018	1-246-481-00	CARBON	2.2K	5%	1/4W

Ref.No	Part No	Description				Remark
R019	1-246-505-00	CARBON	22K	5%	1/4W	
R020	1-246-513-00	CARBON	47K	5%	1/4W	
R021	1-246-505-00	CARBON	22K	5%	1/4W	
R022	1-246-501-00	CARBON	15K	5%	1/4W	
R023	1-246-490-00	CARBON	5.1K	5%	1/4W	
R024	1-246-505-00	CARBON	22K	5%	1/4W	
R025	⚠.1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R026	1-246-449-00	CARBON	100	5%	1/4W	
R027	1-246-449-00	CARBON	100	5%	1/4W	
R028	1-246-505-00	CARBON	22K	5%	1/4W	
R029	1-246-473-00	CARBON	1K	5%	1/4W	
R030	1-246-532-00	CARBON	300K	5%	1/4W	
R031	1-246-532-00	CARBON	300K	5%	1/4W	
R032	1-246-497-00	CARBON	10K	5%	1/4W	

VARIABLE RESISTOR

RV001	1-224-256-XX	RES, ADJ, METAL GLAZE 220K
RV002	1-226-853-00	RES, ADJ, CARBON 47K
RV003	1-226-851-00	RES, ADJ, CARBON 10K
RV004	1-226-851-00	RES, ADJ, CARBON 10K

RELAY

RY001	1-515-418-00	RELAY

TRANSFOMER

T001	1-405-670-00	TRANSFROMER, OSCILLATOR

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♠:A-6721-110-A IF-19 BOARD, COMPLETE

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♠:3-671-234-00	HOLDER (J), LAMP
♠:3-671-235-00	COVER, HOLDER, LAMP
♠:3-674-114-00	CASE (UPPER LID), SHIELD, VIF
♠:3-674-115-00	CASE (BOTTOM LID), SHIELD, VIF
♠:4-350-807-00	CASE (MAIN), SHIELD, VIF

CAPACITOR

C001	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C002	1-108-242-00	MYLAR	0.022MF	10%	50V
C003	1-123-447-00	ELECT	0.22MF	20%	50V
C004	1-123-447-00	ELECT	0.22MF	20%	50V
C005	1-102-523-00	CERAMIC	56PF	5%	50V
C006	1-123-323-00	ELECT	470MF	20%	16V
C007	1-102-129-00	CERAMIC	0.01MF	10%	50V
C008	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C009	1-123-356-00	ELECT	10MF	20%	16V
C010	1-108-837-00	MYLAR	0.01MF	10%	50V
C011	1-123-380-00	ELECT	1MF	20%	50V
C012	1-102-510-00	CERAMIC	12PF	5%	50V
C013	1-102-523-00	CERAMIC	56PF	5%	50V
C014	1-123-379-00	ELECT	0.47MF	20%	50V
C015	1-123-380-00	ELECT	1MF	20%	50V

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description			Remark
C016	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C017	1-123-356-00	ELECT	10MF	20%	16V
C018	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C019	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C020	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C021	1-123-318-00	ELECT	33MF	20%	16V
C022	1-102-129-00	CERAMIC	0.01MF	10%	50V
C023	1-101-888-00	CERAMIC	68PF	5%	50V
C024	1-101-884-00	CERAMIC	56PF	5%	50V
C025	1-123-379-00	ELECT	0.47MF	20%	50V
C026	1-108-377-00	MYLAR	0.01MF	10%	100V
C027	1-161-025-00	CERAMIC	0.1MF	10%	25V
C028	1-123-382-00	ELECT	3.3MF	20%	50V
C029	1-123-328-00	ELECT	4.7MF	20%	25V
C030	1-123-330-00	ELECT	22MF	20%	16V
C031	1-123-356-00	ELECT	10MF	20%	16V

FILTER

CF001	1-404-134-00	TRAP, CERAMIC (5.5MHZ)
CF002	1-527-263-00	CERAMIC FILTER (5.5MHZ)
CF003	1-404-134-00	TRAP, CERAMIC (5.5MHZ)
CF004	1-409-333-00	TRAP, CERAMIC (6.0MHZ)

CONNECTOR

CN001♠:	1-508-743-00	PIN, CONNECTOR 5P
CN002♠:	1-560-295-00	PIN, CONNECTOR 7P
CN003♠:	1-508-846-00	PIN, CONNECTOR 8P

JACK

CNJ001♠:	1-526-575-00	SOCKET, PLUG

DIODE

D001	=>8-719-911-19	DIODE 1SS119
D002	=>8-719-911-19	DIODE 1SS119
D003	=>8-719-911-19	DIODE 1SS119
D004	=>8-719-911-19	DIODE 1SS119
D005	=>8-719-911-19	DIODE 1SS119
D006	=>8-719-911-19	DIODE 1SS119
D007	=>8-719-911-19	DIODE 1SS119
D008	=>8-719-911-19	DIODE 1SS119
D010	=>8-719-911-19	DIODE 1SS119
D011	8-719-200-02	DIODE 10E2

IC

IC001	8-758-851-00	IC CX885A
IC002	8-759-157-40	IC UPC574J

COIL

L001	1-408-434-11	MICRO INDUCTOR 2.2UH
L002	1-408-403-00	MICRO INDUCTOR 3.3UH
L003	1-408-448-11	MICRO INDUCTOR 33UH
L004	1-408-408-00	MICRO INDUCTOR 8.2UH
L005	1-408-408-00	MICRO INDUCTOR 8.2UH

Ref.No	Part No	Description	Remark
L006	1-407-716-00	MICRO INDUCTOR 820UH	
L007	1-408-444-11	MICRO INDUCTOR 15UH	
L008	1-408-408-00	MICRO INDUCTOR 8.2UH	

NEON LAMP

NL001	1-519-154-61	LAMP, NEON
NL002	1-519-154-61	LAMP, NEON
NL003	1-519-154-61	LAMP, NEON
NL004	1-519-154-61	LAMP, NEON
NL005	1-519-154-61	LAMP, NEON
NL006	1-519-154-61	LAMP, NEON
NL007	1-519-154-61	LAMP, NEON
NL008	1-519-154-61	LAMP, NEON

TUNING BLOCK

PS001	1-464-191-00	TUNING BLOCK (8 CH)

TRANSISTOR

Q001	8-729-178-54	TRANSISTOR 2SC2785
Q002	8-729-178-54	TRANSISTOR 2SC2785
Q003	8-729-178-54	TRANSISTOR 2SC2785
Q004	8-729-178-54	TRANSISTOR 2SC2785
Q005	8-729-178-54	TRANSISTOR 2SC2785
Q006	8-729-178-54	TRANSISTOR 2SC2785
Q007	8-723-302-00	TRANSISTOR 2SK43-2
Q008	8-729-309-06	TRANSISTOR 2SC1890A
Q009	8-729-117-54	TRANSISTOR 2SA1175
Q010	8-729-309-36	TRANSISTOR 2SA893A
Q011	8-729-309-06	TRANSISTOR 2SC1890A
Q013	8-729-178-54	TRANSISTOR 2SC2785
Q014	8-729-117-54	TRANSISTOR 2SA1175
Q015	8-729-117-54	TRANSISTOR 2SA1175
Q016	8-729-178-54	TRANSISTOR 2SC2785
Q017	8-729-117-54	TRANSISTOR 2SA1175
Q018	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

R001	1-246-487-00	CARBON	3.9K	5%	1/4W
R002	1-246-521-00	CARBON	100K	5%	1/4W
R003	1-246-511-00	CARBON	39K	5%	1/4W
R004	1-246-471-00	CARBON	820	5%	1/4W
R005	1-246-485-00	CARBON	3.3K	5%	1/4W
R006	1-246-473-00	CARBON	1K	5%	1/4W
R007	1-246-473-00	CARBON	1K	5%	1/4W
R008	1-246-479-00	CARBON	1.8K	5%	1/4W
R009	1-246-515-00	CARBON	56K	5%	1/4W
R010	1-246-463-00	CARBON	390	5%	1/4W
R011	1-246-463-00	CARBON	390	5%	1/4W
R012	1-246-473-00	CARBON	1K	5%	1/4W
R013	1-246-467-00	CARBON	560	5%	1/4W
R014	1-246-460-00	CARBON	300	5%	1/4W
R015	1-246-449-00	CARBON	100	5%	1/4W

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

IF-19 | TT-5 | TT-2

Ref.No	Part No	Description				Remark
R016	1-246-467-00	CARBON	560	5%	1/4W	
R017	1-246-501-00	CARBON	15K	5%	1/4W	
R018	1-246-485-00	CARBON	3.3K	5%	1/4W	
R019	1-246-477-00	CARBON	1.5K	5%	1/4W	
R020	1-246-515-00	CARBON	56K	5%	1/4W	
R021	1-246-487-00	CARBON	3.9K	5%	1/4W	
R022	1-246-473-00	CARBON	1K	5%	1/4W	
R023	1-246-505-00	CARBON	22K	5%	1/4W	
R024	1-246-443-00	CARBON	56	5%	1/4W	
R025	1-246-497-00	CARBON	10K	5%	1/4W	
R026	1-246-497-00	CARBON	10K	5%	1/4W	
R027	1-246-497-00	CARBON	10K	5%	1/4W	
R028	1-246-521-00	CARBON	100K	5%	1/4W	
R029	1-202-735-00	COMPOSITION	22M	10%	1/2W	
R030	1-246-497-00	CARBON	10K	5%	1/4W	
R031	1-246-501-00	CARBON	15K	5%	1/4W	
R032 ⚠.	1-206-749-00	METAL	10K	5%	3W	F
R033	1-246-513-00	CARBON	47K	5%	1/4W	
R034	1-246-545-00	CARBON	1M	5%	1/4W	
R035	1-246-542-00	CARBON	750K	5%	1/4W	
R036	1-246-497-00	CARBON	10K	5%	1/4W	
R037	1-246-497-00	CARBON	10K	5%	1/4W	
R038	1-246-525-00	CARBON	150K	5%	1/4W	
R039	1-246-507-00	CARBON	27K	5%	1/4W	
R040	1-246-505-00	CARBON	22K	5%	1/4W	
R041	1-246-521-00	CARBON	100K	5%	1/4W	
R042	1-246-507-00	CARBON	27K	5%	1/4W	
R043	1-246-505-00	CARBON	22K	5%	1/4W	
R044	1-246-513-00	CARBON	47K	5%	1/4W	
R045 ⚠.	1-247-033-00	CARBON	100	5%	1/8W	F
R046	1-246-533-00	CARBON	330K	5%	1/4W	
R047	1-246-525-00	CARBON	150K	5%	1/4W	
R048	1-246-461-00	CARBON	330	5%	1/4W	
R049	1-246-481-00	CARBON	2.2K	5%	1/4W	
R050	1-246-507-00	CARBON	27K	5%	1/4W	
R051	1-246-525-00	CARBON	150K	5%	1/4W	
R052	1-246-497-00	CARBON	10K	5%	1/4W	
R053	1-246-521-00	CARBON	100K	5%	1/4W	
R056	1-246-506-00	CARBON	24K	5%	1/4W	
R057	1-246-514-00	CARBON	51K	5%	1/4W	
R058	1-246-499-00	CARBON	12K	5%	1/4W	
R059	1-246-461-00	CARBON	330	5%	1/4W	
R060	1-246-449-00	CARBON	100	5%	1/4W	
R061	1-246-501-00	CARBON	15K	5%	1/4W	
R063	1-246-457-00	CARBON	220	5%	1/4W	
R064	1-246-537-00	CARBON	470K	5%	1/4W	
R065	1-246-489-00	CARBON	4.7K	5%	1/4W	
R066	1-246-465-00	CARBON	470	5%	1/4W	
R067	1-246-491-00	CARBON	5.6K	5%	1/4W	

VARIABLE RESISTOR

RV001	1-226-850-00	RES, ADJ, CARBON 4.7K	
RV002	1-226-850-00	RES, ADJ, CARBON 4.7K	

Ref.No	Part No	Description	Remark

SWITCH

S001	1-553-880-00	SWITCH, PUSH (8 KEY)	
S002	1-516-226-00	SLIDE SWITCH	
S003	1-516-226-00	SLIDE SWITCH	

FILTER

SF001	1-404-323-00	SAWF (38.9MHZ)	

TRANSFORMER

T001	1-404-390-00	COIL, VIF	
T002	1-404-182-00	COIL, VIF	
T003	1-404-182-00	COIL, VIF	
T004	1-404-124-00	SIFT	
T005	1-404-389-00	COIL, SIF	
T006	1-404-390-00	COIL, VIF	

THERMISTOR

TH001	1-800-626-00	THERMISTOR	

POST PIN

TP001	1-536-354-00	POST PIN	
TP002	1-536-354-00	POST PIN	

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♠:1-605-704-13 TT-5 BOARD

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CAPACITOR

C101	1-161-021-00	CERAMIC	0.047MF	10%	25V	
C102	1-123-901-00	ELECT	2.2MF	20%	50V	

CONNECTOR

CN101♠:	1-508-848-00	PIN, CONNECTOR 6P	

COIL

L101	1-408-538-00	COIL, NOISE FILTER	

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♠:1-605-705-00 TT-2 BOARD

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SWITCH

S7103	1-553-847-00	SWITCH, LEVER	

NOTE:

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- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : µF, PF : µµF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : µH

Ref.No	Part No	Description	Remark
	♠:1-605-706-00	TT-3 BOARD **********	

SWITCH

Ref.No	Part No	Description	Remark
S7102	1-553-847-00	SWITCH, LEVER	

****

Ref.No	Part No	Description	Remark
	♠:1-605-707-00	TT-4 BOARD **********	

SWITCH

Ref.No	Part No	Description	Remark
S7101	1-553-847-00	SWITCH, LEVER	

****

Ref.No	Part No	Description	Remark
	♠:A-6728-304-A	SL-1 BOARD, COMPLETE ********************	
	♠:3-659-359-00	PLATE, BOOST, REED SWITCH	

SWITCH

Ref.No	Part No	Description	Remark
S7201	1-552-180-00	SWITCH, REED	

****

Ref.No	Part No	Description	Remark
	♠:A-6728-305-A	DR-1 BOARD, COMPLETE ********************	

CAPACITOR

Ref.No	Part No	Description				Remark
C001	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C002	1-129-794-00	FILM	0.0033MF	5%	100V	
C003	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C004	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C005	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C006	1-123-380-00	ELECT	1MF	20%	50V	
C007	1-123-380-00	ELECT	1MF	20%	50V	
C008	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C009	1-123-379-00	ELECT	0.47MF	20%	50V	
C010	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C011	1-129-794-00	FILM	0.0033MF	5%	100V	
C012	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C013	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C014	1-123-380-00	ELECT	1MF	20%	50V	
C015	1-123-380-00	ELECT	1MF	20%	50V	
C016	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C017	1-123-379-00	ELECT	0.47MF	20%	50V	
C018	1-123-332-00	ELECT	47MF	20%	16V	
C019	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C020	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C021	1-123-328-00	ELECT	4.7MF	20%	25V	
C022	1-161-494-00	CERAMIC	0.022MF	30%	25V	

CONNECTOR

Ref.No	Part No	Description	Remark
CN001	♠:1-508-743-00	PIN, CONNECTOR 5P	
CN002	♠:1-508-742-00	PIN, CONNECTOR 3P	
CN003	♠:1-508-742-00	PIN, CONNECTOR 3P	
CN004	♠:1-508-742-00	PIN, CONNECTOR 3P	
CN005	♠:1-508-742-00	PIN, CONNECTOR 3P	
CN006	♠:1-508-796-00	PIN, CONNECTOR 2P	

DIODE

Ref.No	Part No	Description	Remark
D001	8-719-911-19	DIODE 1SS119	
D003	8-719-200-02	DIODE 10E2	
D004	8-719-200-02	DIODE 10E2	
D005	8-719-200-02	DIODE 10E2	
D006	8-719-200-02	DIODE 10E2	
D007	8-719-200-02	DIODE 10E2	
D008	8-719-200-02	DIODE 10E2	
D009	8-719-200-02	DIODE 10E2	
D010	8-719-200-02	DIODE 10E2	
D011	8-719-200-02	DIODE 10E2	
D012	8-719-200-02	DIODE 10E2	
D013	8-719-200-02	DIODE 10E2	
D014	8-719-200-02	DIODE 10E2	
D015	8-719-200-02	DIODE 10E2	

COIL

Ref.No	Part No	Description	Remark
L003	1-407-212-XX	MICRO INDUCTOR 33MMH	

TRANSISTOR

Ref.No	Part No	Description	Remark
Q001	8-729-178-54	TRANSISTOR 2SC2785	
Q002	8-729-373-92	TRANSISTOR 2SB739	
Q003	8-729-177-43	TRANSISTOR 2SD774	
Q004	8-729-373-92	TRANSISTOR 2SB739	
Q005	8-729-177-43	TRANSISTOR 2SD774	
Q006	8-729-178-54	TRANSISTOR 2SC2785	
Q007	8-729-178-54	TRANSISTOR 2SC2785	
Q008	8-729-178-54	TRANSISTOR 2SC2785	
Q010	8-729-635-52	TRANSISTOR 2SD355	
Q011	8-729-178-54	TRANSISTOR 2SC2785	
Q012	8-729-178-54	TRANSISTOR 2SC2785	
Q013	8-729-178-54	TRANSISTOR 2SC2785	
Q014	8-729-178-54	TRANSISTOR 2SC2785	
Q015	8-729-178-54	TRANSISTOR 2SC2785	
Q016	8-729-178-54	TRANSISTOR 2SC2785	
Q017	8-729-178-54	TRANSISTOR 2SC2785	
Q018	8-729-178-54	TRANSISTOR 2SC2785	
Q019	8-729-117-54	TRANSISTOR 2SA1175	
Q020	8-729-316-16	TRANSISTOR 2SC1061	
Q021	8-729-116-42	TRANSISTOR 2SD1164	
Q022	8-729-116-42	TRANSISTOR 2SD1164	
Q023	8-729-378-84	TRANSISTOR 2SD788	
Q024	8-729-178-54	TRANSISTOR 2SC2785	
Q025	8-729-116-42	TRANSISTOR 2SD1164	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : µF, PF : µµF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : µH

DR-1 DR-2 DR-3 DR-4 DR-5 DR-6

Ref.No	Part No	Description				Remark
Q026	8-729-378-84	TRANSISTOR 2SD788				
Q027	8-729-116-42	TRANSISTOR 2SD1164				
Q028	8-729-378-84	TRANSISTOR 2SD788				
Q029	8-729-331-53	TRANSISTOR 2SC2315				
Q030	8-729-178-54	TRANSISTOR 2SC2785				
Q031	8-729-116-42	TRANSISTOR 2SD1164				
Q034	8-729-606-32	TRANSISTOR 2SC2603				

RESISTOR

R001	1-246-473-00	CARBON	1K	5%	1/4W	
R002	1-246-515-00	CARBON	56K	5%	1/4W	
R003	1-246-491-00	CARBON	5.6K	5%	1/4W	
R004	1-246-473-00	CARBON	1K	5%	1/4W	
R005	1-246-491-00	CARBON	5.6K	5%	1/4W	
R006	1-246-473-00	CARBON	1K	5%	1/4W	
R007	1-246-473-00	CARBON	1K	5%	1/4W	
R008	1-246-449-00	CARBON	100	5%	1/4W	
R009	1-246-513-00	CARBON	47K	5%	1/4W	
R010	1-246-513-00	CARBON	47K	5%	1/4W	
R011	1-246-513-00	CARBON	47K	5%	1/4W	
R012	1-246-528-00	CARBON	200K	5%	1/4W	
R013	1-246-483-00	CARBON	2.7K	5%	1/4W	
R014	1-246-511-00	CARBON	39K	5%	1/4W	
R015	1-246-457-00	CARBON	220	5%	1/4W	
R016	1-246-517-00	CARBON	68K	5%	1/4W	
R017	1-246-521-00	CARBON	100K	5%	1/4W	
R018	1-246-483-00	CARBON	2.7K	5%	1/4W	
R019	1-246-491-00	CARBON	5.6K	5%	1/4W	
R020	1-246-473-00	CARBON	1K	5%	1/4W	
R021	1-246-494-00	CARBON	7.5K	5%	1/4W	
R022	1-246-509-00	CARBON	33K	5%	1/4W	
R023	1-246-505-00	CARBON	22K	5%	1/4W	
R024	1-246-443-00	CARBON	56	5%	1/4W	
R025	1-246-521-00	CARBON	100K	5%	1/4W	
R026	1-246-528-00	CARBON	200K	5%	1/4W	
R027	1-246-483-00	CARBON	2.7K	5%	1/4W	
R028	1-246-457-00	CARBON	220	5%	1/4W	
R029	1-246-511-00	CARBON	39K	5%	1/4W	
R030	1-246-517-00	CARBON	68K	5%	1/4W	
R031	1-246-521-00	CARBON	100K	5%	1/4W	
R032	1-246-483-00	CARBON	2.7K	5%	1/4W	
R033	1-246-491-00	CARBON	5.6K	5%	1/4W	
R034	1-246-473-00	CARBON	1K	5%	1/4W	
R035	1-246-494-00	CARBON	7.5K	5%	1/4W	
R036	1-246-509-00	CARBON	33K	5%	1/4W	
R037	1-246-505-00	CARBON	22K	5%	1/4W	
R038	1-246-443-00	CARBON	56	5%	1/4W	
R039	1-246-521-00	CARBON	100K	5%	1/4W	
R040	1-246-515-00	CARBON	56K	5%	1/4W	
R041	1-246-465-00	CARBON	470	5%	1/4W	
R042	1-246-513-00	CARBON	47K	5%	1/4W	
R043	1-246-465-00	CARBON	470	5%	1/4W	
R044	1-246-497-00	CARBON	10K	5%	1/4W	

Ref.No	Part No	Description				Remark
R045	⚠.1-212-360-00	METAL	1	5%	1W	F
R046	1-246-449-00	CARBON	100	5%	1/4W	
R047	1-246-497-00	CARBON	10K	5%	1/4W	
R048	1-246-497-00	CARBON	10K	5%	1/4W	
R049	1-246-516-00	CARBON	62K	5%	1/4W	
R050	1-246-497-00	CARBON	10K	5%	1/4W	
R051	1-246-481-00	CARBON	2.2K	5%	1/4W	
R052	1-246-497-00	CARBON	10K	5%	1/4W	
R053	1-246-497-00	CARBON	10K	5%	1/4W	
R054	1-246-497-00	CARBON	10K	5%	1/4W	
R055	1-246-473-00	CARBON	1K	5%	1/4W	
R060	⚠.1-246-981-00	CARBON	4.7	5%	1/8W	F
R061	⚠.1-212-360-00	METAL	1	5%	1W	F
R062	⚠.1-212-360-00	METAL	1	5%	1W	F
R065	⚠.1-246-989-11	CARBON	82	5%	1/8W	F
R066	1-246-497-00	CARBON	10K	5%	1/4W	
R067	1-246-981-00	CARBON	4.7	5%	1/8W	F

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♠:1-605-695-00 DR-2 BOARD
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SWITCH

S001 1-552-664-00 SWITCH, MICRO

****

♠:1-605-696-00 DR-3 BOARD
****

♠:3-671-128-00 BRACKET (L), SWITCH

SWITCH

S002 1-552-664-00 SWITCH, MICRO

****

♠:1-605-697-13 DR-4 BOARD
****

SWITCH

S003 1-553-847-00 SWITCH, LEVER

****

♠:1-605-698-00 DR-5 BOARD
****

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♠:1-605-699-00 DR-6 BOARD
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NOTE:

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- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

DR-7 DR-8 DR-9 DR-10 FG-2 FL-2 CP-6 TP-12

Ref.No	Part No	Description				Remark
	♠:1-605-700-00	DR-7 BOARD **********				

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Ref.No	Part No	Description				Remark
	♠:1-605-701-00	DR-8 BOARD **********				
		COIL				
L001	1-543-145-00	HEAD, SENSING				

****

Ref.No	Part No	Description				Remark
	♠:1-605-702-00	DR-9 BOARD **********				
		COIL				
L002	1-543-145-00	HEAD, SENSING				

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Ref.No	Part No	Description				Remark
	♠:1-605-703-00	DR-10 BOARD ***********				
		TRANSISTOR				
Q009	8-729-316-16	TRANSISTOR 2SC1061				

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Ref.No	Part No	Description				Remark
	♠:1-605-708-00	FG-2 BOARD **********				
	3-658-161-00	HOLDER, DME				
	♠:3-659-313-00	PLATE, ADJUSTMENT, DME				
		SEMICONDUCTOR				
DM701	8-745-101-01	DM-101A				

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Ref.No	Part No	Description				Remark
	♠:A-6728-315-A	FL-2 BOARD, COMPLETE ********************				
		CAPACITOR				
C001	1-161-076-00	CERAMIC	0.1MF	20%	50V	
C002	1-161-076-00	CERAMIC	0.1MF	20%	50V	
		COIL				
L001	1-421-225-00	COIL, LINE FILTER				

Ref.No	Part No	Description				Remark
	♠:1-606-102-00	CP-6 BOARD **********				
		CAPACITOR				
C101	1-123-380-00	ELECT	1MF	20%	50V	
		CONNECTOR				
CN101	♠:1-508-847-00	PIN, CONNECTOR 4P				
CN102	♠:1-508-734-00	PIN, CONNECTOR 3P				
		TRANSISTOR				
Q101	8-729-178-54	TRANSISTOR 2SC2785				
Q102	8-729-178-54	TRANSISTOR 2SC2785				
Q103	8-729-178-54	TRANSISTOR 2SC2785				
Q104	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R101	1-246-515-00	CARBON	56K	5%	1/4W	
R102	1-246-505-00	CARBON	22K	5%	1/4W	
R103	1-246-505-00	CARBON	22K	5%	1/4W	
R104	1-246-452-00	CARBON	130	5%	1/4W	
R105	1-246-484-00	CARBON	3K	5%	1/4W	
R106	1-246-472-00	CARBON	910	5%	1/4W	
R107	1-246-491-00	CARBON	5.6K	5%	1/4W	
R108	1-246-515-00	CARBON	56K	5%	1/4W	
R109	1-246-449-00	CARBON	100	5%	1/4W	

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Ref.No	Part No	Description				Remark
	♠:A-6728-409-A	TP-12 BOARD, COMPLETE ********************				
	1-533-162-00	HOLDER, FUSE				
	♠:3-674-134-00	HEAT SINK				
		CAPACITOR				
C001	1-123-403-00	ELECT	4700MF		25V	
C002	1-123-404-00	ELECT	10000MF		25V	
C006	1-123-332-00	ELECT	47MF	20%	16V	
C007	1-123-253-00	ELECT	22MF		160V	
C009	1-123-332-00	ELECT	47MF	20%	16V	
C010	1-123-335-00	ELECT	330MF	20%	25V	
C011	1-123-333-00	ELECT	100MF	20%	25V	
C020	1-123-328-00	ELECT	4.7MF	20%	25V	
C021	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C201	1-123-324-00	ELECT	1000MF	20%	16V	
C270	1-123-356-00	ELECT	10MF	20%	16V	
C280	1-123-304-00	ELECT	10000MF	20%	6.3V	
C291	1-123-607-00	ELECT	0.1MF	20%	50V	
C292	1-123-607-00	ELECT	0.1MF	20%	50V	
C801	1-123-330-00	ELECT	22MF	20%	16V	
C802	1-108-389-00	MYLAR	0.1MF	10%	100V	
C803	1-123-356-00	ELECT	10MF	20%	16V	
C804	1-108-377-00	MYLAR	0.01MF	10%	100V	

NOTE:

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- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : µF, PF : µµF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : µH

TP-12 TP-13

Ref.No	Part No	Description				Remark
C805	1-123-356-00	ELECT	10MF	20%	16V	
C806	1-123-318-00	ELECT	33MF	20%	16V	
C807	1-161-051-00	CERAMIC	0.01MF	10%	50V	

CONNECTOR

Ref.No	Part No	Description
CN001	♠:1-508-744-00	PIN, CONNECTOR 10P
CN002	♠:1-560-136-00	PLUG, CONNECTOR 4P
CN003	♠:1-508-845-00	PIN, CONNECTOR 6P

JACK

Ref.No	Part No	Description
CNJ801	♠:1-526-575-00	SOCKET, PLUG

DIODE

Ref.No	Part No	Description
D003	=>8-719-900-95	DIODE V09G
D007	=>8-719-911-19	DIODE 1SS119
D008	8-719-100-61	DIODE RD11EB2
D009	=>8-719-911-19	DIODE 1SS119
D201	=>8-719-200-02	DIODE 10E2
D251	8-719-100-67	DIODE RD13EB1
D252	=>8-719-911-19	DIODE 1SS119
D280	=>8-719-911-19	DIODE 1SS119
D281	=>8-719-911-19	DIODE 1SS119
D301	⚠.8-719-200-07	DIODE 30D2FA
D302	⚠.8-719-200-07	DIODE 30D2FA
D303	⚠.8-719-200-07	DIODE 30D2FA
D304	⚠.8-719-200-07	DIODE 30D2FA
D305	⚠.8-719-200-07	DIODE 30D2FA
D306	⚠.8-719-200-07	DIODE 30D2FA
D307	⚠.8-719-200-07	DIODE 30D2FA
D308	⚠.8-719-200-07	DIODE 30D2FA

FUSE

Ref.No	Part No	Description
F001	⚠.1-532-237-00	FUSE, TIME-LAG; T3.15A
F002	⚠.1-532-350-00	FUSE, TIME-LAG; T4A

TRANSISTOR

Ref.No	Part No	Description
Q002	=>8-729-178-54	TRANSISTOR 2SC2785
Q009	=>8-729-178-54	TRANSISTOR 2SC2785
Q010	=>8-729-178-54	TRANSISTOR 2SC2785
Q011	=>8-729-178-54	TRANSISTOR 2SC2785
Q253	=>8-729-178-54	TRANSISTOR 2SC2785
Q254	8-729-117-54	TRANSISTOR 2SA1175
Q255	8-729-316-16	TRANSISTOR 2SC1061

RESISTOR

Ref.No	Part No	Description				Remark
R004	1-246-521-00	CARBON	100K	5%	1/4W	
R005	1-246-505-00	CARBON	22K	5%	1/4W	
R006	1-246-497-00	CARBON	10K	5%	1/4W	
R015	⚠.1-212-857-00	FUSIBLE	10	5%	1/4W	F
R016	⚠.1-212-857-00	FUSIBLE	10	5%	1/4W	F
R017	⚠.1-212-857-00	FUSIBLE	10	5%	1/4W	F
R020	1-246-473-00	CARBON	1K	5%	1/4W	
R023	1-246-509-00	CARBON	33K	5%	1/4W	
R025	1-246-485-00	CARBON	3.3K	5%	1/4W	
R026	1-246-507-00	CARBON	27K	5%	1/4W	
R027	1-246-521-00	CARBON	100K	5%	1/4W	
R028	1-246-497-00	CARBON	10K	5%	1/4W	
R206	1-246-469-00	CARBON	680	5%	1/4W	
R209	1-246-497-00	CARBON	10K	5%	1/4W	
R210	1-246-505-00	CARBON	22K	5%	1/4W	
R211	1-246-505-00	CARBON	22K	5%	1/4W	
R212	1-246-505-00	CARBON	22K	5%	1/4W	
R252	1-246-505-00	CARBON	22K	5%	1/4W	
R253	1-246-505-00	CARBON	22K	5%	1/4W	
R255	1-246-509-00	CARBON	33K	5%	1/4W	
R256	1-246-513-00	CARBON	47K	5%	1/4W	
R257	1-246-513-00	CARBON	47K	5%	1/4W	
R258	1-246-515-00	CARBON	56K	5%	1/4W	
R259	1-246-517-00	CARBON	68K	5%	1/4W	
R260	1-246-516-00	CARBON	62K	5%	1/4W	
R270	1-246-470-00	CARBON	750	5%	1/4W	
R271	1-246-497-00	CARBON	10K	5%	1/4W	
R236	1-246-521-00	CARBON	100K	5%	1/4W	
R801	1-246-509-00	CARBON	33K	5%	1/4W	

TUNER

Ref.No	Part No	Description
TU801	⚠.1-463-350-00	TUNER (BT-881)

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♠:1-606-944-00 TP-13 BOARD
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CAPACITOR

Ref.No	Part No	Description				Remark
C204	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C271	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C272	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C273	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C281	1-123-617-00	ELECT	10MF	20%	16V	
C282	1-123-617-00	ELECT	10MF	20%	16V	
C283	1-161-051-00	CERAMIC	0.01MF	30%	25V	
C284	1-123-647-00	ELECT	47MF	20%	6.3V	
C285	1-161-051-00	CERAMIC	0.01MF	30%	25V	

COMPOSITION CIRCUIT BLOCK

Ref.No	Part No	Description
CP001	1-232-241-00	COMPOSITION CIRCUIT BLOCK
CP002	1-232-240-00	COMPOSITION CIRCUIT BLOCK
CP003	1-232-243-00	COMPOSITION CIRCUIT BLOCK

DIODE

Ref.No	Part No	Description
D203	=>8-719-911-19	DIODE 1SS119
D204	=>8-719-911-19	DIODE 1SS119
D271	8-719-101-60	DIODE RD6.2EL1
D282	=>8-719-911-19	DIODE 1SS119
D283	8-719-101-40	DIODE RD3.9EL1

NOTE:

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No	Part No	Description	Remark
		INDICATOR TUBE	
FL301	1-519-253-00	INDICATOR TUBE, FLUORESCENT	
		IC	
IC301	8-759-200-10	IC TCP4621AF6	
		COIL	
L251	1-407-717-00	MICRO INDUCTOR 1MMH	
		TRANSISTOR	
Q251	=>8-729-178-54	TRANSISTOR 2SC2785	
Q252	=>8-729-178-54	TRANSISTOR 2SC2785	
Q257	8-729-117-54	TRANSISTOR 2SA1175	
		RESISTOR	
R203	1-246-521-00	CARBON 100K 5% 1/4W	
R205	1-246-521-00	CARBON 100K 5% 1/4W	
R272	1-246-453-00	CARBON 150 5% 1/4W	
R273	1-246-513-00	CARBON 47K 5% 1/4W	
R274	1-246-513-00	CARBON 47K 5% 1/4W	
R275	1-246-513-00	CARBON 47K 5% 1/4W	
R276	1-246-513-00	CARBON 47K 5% 1/4W	
R278	1-246-497-00	CARBON 10K 5% 1/4W	
R282	1-246-494-00	CARBON 7.5K 5% 1/4W	
R283	1-246-494-00	CARBON 7.5K 5% 1/4W	
R284	1-246-489-00	CARBON 4.7K 5% 1/4W	
R285	1-246-521-00	CARBON 100K 5% 1/4W	
R287	1-246-521-00	CARBON 100K 5% 1/4W	
R288	1-246-521-00	CARBON 100K 5% 1/4W	
R290	1-246-521-00	CARBON 100K 5% 1/4W	
R297	1-246-497-00	CARBON 10K 5% 1/4W	
		SWITCH	
S401	1-552-774-00	SWITCH, PUSH	
S402	1-552-774-00	SWITCH, PUSH	
S403	1-552-774-00	SWITCH, PUSH	
S404	1-552-774-00	SWITCH, PUSH	
S405	1-552-774-00	SWITCH, PUSH	
S406	1-552-774-00	SWITCH, PUSH	
S407	1-552-774-00	SWITCH, PUSH	
		TRANSFORMER	
T251	1-404-394-00	TRANSFORMER, IFT	
		POST PIN	
TP001	1-536-354-00	POST PIN	
TP002	1-536-354-00	POST PIN	

Ref.No	Part No	Description	Remark
	♠:1-606-945-00	TP-14 BOARD ***********	
	♠:3-671-208-00	HOLDER, SWITCH, POWER	
		DIODE	
D501	8-719-812-33	DIODE TLG123	
D502	8-719-812-31	DIODE TLR123	
		RESISTOR	
R501	1-246-477-00	CARBON 1.5K 5% 1/4W	
		SWITCH	
S501	1-553-846-00	SWITCH, PUSH (2 KEY)	

****

Ref.No	Part No	Description	Remark
	♠:1-606-946-00	TP-16 BOARD ***********	
	1-533-162-00	HOLDER, FUSE	
		IC	
IC001	⚠.8-759-853-14	IC STK5314	

****

Ref.No	Part No	Description	Remark
	♠:1-606-949-00	LF-22 BOARD ***********	
		CAPACITOR	
C101	⚠.1-130-710-00	FILM 0.1MF 20% 250V	
		FUSE	
F101	⚠.1-532-237-00	FUSE, TIME-LAG; T3.15A	

****

Ref.No	Part No	Description	Remark
	♠:1-605-687-00	FS-11 BOARD ***********	
	♠:3-661-516-00	HOLDER, LED	
		DIODE	
D001	8-719-812-33	DIODE TLG123	
D002	8-719-812-32	DIODE TLY123	
		SWITCH	
S001	1-553-766-00	SWITCH, KEY BOARD	
S002	1-553-766-00	SWITCH, KEY BOARD	
S003	1-553-766-00	SWITCH, KEY BOARD	
S004	1-553-766-00	SWITCH, KEY BOARD	
S005	1-553-766-00	SWITCH, KEY BOARD	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

FS-12

Ref.No	Part No	Description	Remark
	♠:1-605-688-00	FS-12 BOARD ***********	
	♠:3-661-516-00	HOLDER, LED	
		DIODE	
D001	8-719-812-31	DIODE TLR123	
		SWITCH	
S001	1-553-766-00	SWITCH, KEY BOARD	

****

MISCELLANEOUS
****

Ref.No	Part No	Description	Remark
T901	⚠.1-447-251-00	TRANSFORMER, PWOER	
	⚠.1-454-292-11	SOLENOID, PLUNGER (BS)	
	⚠.1-454-293-11	SOLENOID, PLUNGER (FE)	
	⚠.1-454-294-11	SOLENOID, PLUNGER (FF)	
	⚠.1-454-295-00	SOLENOID, PLUNGER (PINCH)	
	⚠.1-464-189-00	MODULATOR, RF (RBM-210-E)	
	⚠.1-534-817-XX	CORD, POWER	
S902	⚠.1-554-038-00	SWITCH, POWER VOLTAGE CHANGE	
S901	⚠.1-554-055-00	SWITCH, SEESAW (AC POWER)	
	1-932-956-00	JACK (CP-3)	
	1-933-276-00	JACK (RJ-2)	
S7401	1-552-664-00	SWITCH, MICRO	

****

ACCESSORIES AND PACKING MATERIALS
****

Part.No	Description	Remark
1-551-513-00	CABLE, COAXAL ASSY	
3-660-986-00	SHEET, PROTECTION	
3-662-364-00	BAG, PROTECTION	
3-670-804-00	CUSHION (REAR LOWER)	
3-670-805-00	CUSHION (FRONT LOWER)	
3-670-806-00	CUSHION (RIGHT UPPER)	
3-670-807-00	CUSHION (LEFT UPPER)	
3-674-153-00	INDIVIDUAL CARTON	
3-674-155-00	SPACER	
3-701-007-00	BAND, BINDING	
3-701-630-00	BAG, POLYETHYLENE	
3-783-887-11	MANUAL, INSTRUCTION	
3-783-887-41	MANUAL, INSTRUCTION	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ♠ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

REMOTE CONTROL UNIT

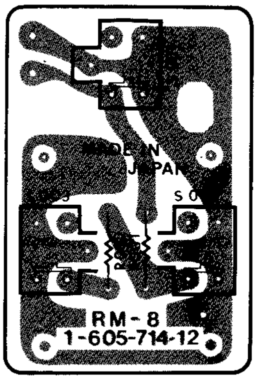
PAUSE/FREEZE
PICTURE SEARCH
SONY
REMOTE COMMANDER
RM-72

RM-8 (REMOTE CONTROL) MOUNTING DIAGRAM

– Conductor Side –

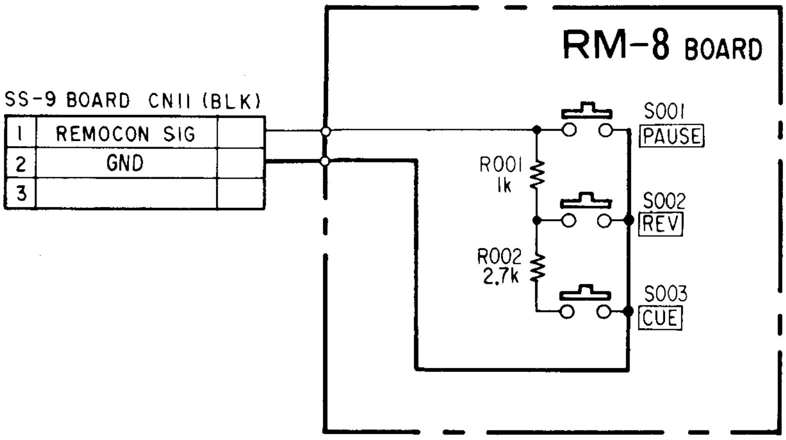
– Ref. No. RM-8 BOARD : 9000 series –

RM-8BOARD


MADE IN
JAPAN
S
RM-8
1-605-714-12

RM-8 (REMOTE CONTROL) BOARD SCHEMATIC DIAGRAM

– Ref. No. RM-8 BOARD : 9000 series –


RM-8 BOARD
SS-9 BOARD CN11 (BLK)
1
REMOCON SIG
2
GND
3
R001
1k
R002
2.7k
S001
PAUSE
S002
REV
S003
CUE

RM-8 (REMOTE CONTROL) ELECTRICAL PARTS LIST

– Ref. No. RM-8 BOARD : 9000 series –

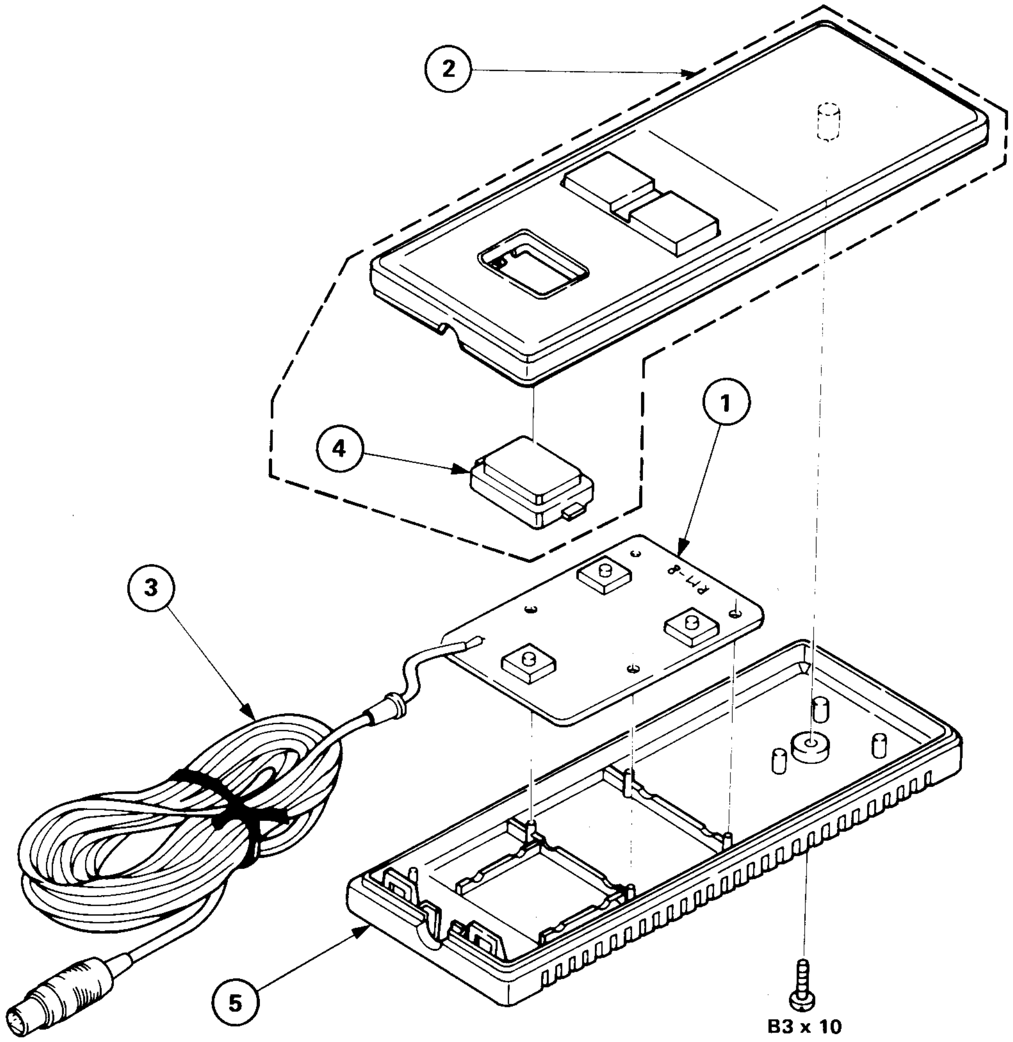
Ref.No	Part No	Description				Remark
	♦:1-605-714-00	RM-8 BOARD **********				
		RESISTOR				
R001	1-246-473-00	CARBON	1K	5%	1/4W	
R002	1-246-483-00	CARBON	2.7K	5%	1/4W	
		SWITCH				
S001	1-553-766-00	SWITCH, KEY BOARD				
S002	1-553-766-00	SWITCH, KEY BOARD				
S003	1-553-766-00	SWITCH, KEY BOARD				

The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- All resistors are in ohms, ¼ W unless otherwise noted. kΩ = 1000Ω; MΩ = 1000kΩ
- All capacitors are in μF unless otherwise noted. p : μμF 50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ▭ : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20kΩ/V).

REMOTE CONTROL UNIT



No.	Part No	Description	Remark
1	1-605-714-00	PC BOARD RM-8	
2	X-3674-103-0	CASE (UPPER) ASSY (PAL)4	
3	1-556-246-00	CORD (WITH PLUG)	
4	3-671-136-00	KEY TOP, PAUSE	
5	3-671-212-31	CASE (LOWER)	

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ● " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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TV and Consumer Video Group
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